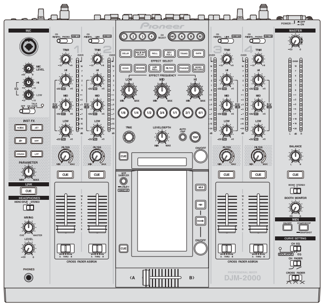
Pioneer

Service Manual


DJM-2000

ORDER NO.
RRV4046

DJ MIXER

DJM-2000

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
DJM-2000	SYXJ8	AC 220 V to 240 V	
DJM-2000	CUXJ	AC 120 V	
DJM-2000	LXJ	AC 110 V to 240 V	
DJM-2000	KXJ5	AC 220 V	
DJM-2000	AXJ5	AC 220 V to 240 V	

For details, refer to "Important Check Points for good servicing".

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SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols ■━━┼ (fast operating fuse) and/or ■━━☒ (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible ■━━┼ (fusible de type rapide) et/ou ■━━☒ (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

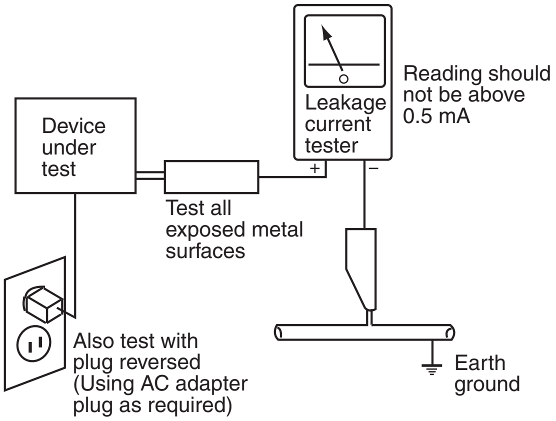
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Device under test
Leakage current tester
Reading should not be above 0.5 mA
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit. Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

1.2 VOLTAGE MONITORING

This unit always monitors for power failure and will shut itself off immediately after an error is detected.
A power failure is indicated with flashing of the UTILITY LED (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).
All the LEDs other than UTILITY will be unlit and all the switches and variable registers will be disabled.
Repair the unit according to the diagnostic procedures described in “5.3 VOLTAGE MONITORING CIRCUIT.”

1.3 CONFIRMATION OF USER-SETTING DATA

This product has user- and club-setting data. Be sure to confirm those data before starting repair, although changing them may not have a large effect. Use the Check Sheet in “8.6,” to which you can transcribe the settings, as required. The settings are stored in Flash ROM (IC1703) on the MAIN Assy.
To display the [USER SETUP] screen, hold [LIVE SAMPLER (UTILITY, WAKE UP)] pressed for at least 1 sec.
To display the [CLUB SETUP] screen, press [POWER] while holding [LIVE SAMPLER (UTILITY, WAKE UP)] pressed.

1.4 ON THE EEPROM ON THE PCIF ASSY

No program has been stored in the EEPROM (IC2003) on the PCIF Assy (empty ROM) when it is supplied as a part for service. After the Assy is replaced, be sure to update the firmware. When updating, note that the procedures are different from those for the usual firmware updating. For details, see “8.2.”
The program to be stored in this IC is that for USB control. However, depending on the versions of the firmware programs, no program for USB control may be included. Therefore, first load the first edition of the firmware program then update it to the latest version.

1.5 NOTES ON REPLACEMENT OF THE TOUCH PANEL

Perform calibration after the touch panel is replaced. The calibration procedures are described in “Touch Panel Test” in “6. Service Mode.”
Be careful not trap dirt inside or put fingerprints on the display while reassembling, and check that there is no trapped dirt or fingerprints after reassembling.

1.6 NOTE FOR THE HANDLING OF THE TOUCH PANEL

(1) Transparency is an important factor for the touch panel. So, please wear clean finger sacks, gloves and mask to protect the touch panel from fingerprint or stain attach, and also hold the portion outside the view area when handling the touch panel.
(2) Do not handle the touch panel by holding the flexible pattern portion in order to assure the reliability.
(3) Do not put one touch panel on the other. Otherwise, it may cause the touch panel to be scratched and/or change on cosmetic occur (e.g. Newton ring).
(4) Do not put a heavy, hard or sharp object on the touch panel.

2. SPECIFICATIONS

2.1 SPECIFICATIONS

General

Power requirements	AC 220 V to 240 V, 50 Hz/ 60 Hz (SYXJ8) AC 120 V, 60 Hz (CUXJ) AC 110 V to 240 V, 50 Hz/ 60 Hz (LXJ) AC 220 V, 60 Hz (KXJ5) AC 220 V to 240 V, 50 Hz/ 60 Hz (AXJ5)
Power consumption	42 W
Power consumption (standby)	0.4 W
Main unit weight	8.5 kg
External dimensions	430 mm (W) x 107.9 mm (H) x 409 mm (D)
Tolerable operating temperature	+5 °C to +35 °C
Tolerable operating humidity	5 % to 85 % (no condensation)

Audio Section

Sampling rate	96 kHz
A/ D, D/ A converter	24 bits
Frequency characteristic	
CD/ LINE/ MIC	20 Hz to 20 kHz
S/ N ratio (rated output)	
PHONO	93 dB
CD/ DIGITAL, LINE	107 dB
MIC	85 dB
Total harmonic distortion (LINE — MASTER1)	0.004 %
Standard input level / Input impedance	
PHONO	–52 dBu/ 47 kΩ
CD/ LINE	–12 dBu/ 47 kΩ
MIC	–52 dBu/ 8 kΩ
RETURN	–12 dBu/ 47 kΩ
Standard output level / Load impedance / Output impedance	
MASTER1	+8 dBu/ 10 kΩ/ 1 Ω or lower
MASTER2	+2 dBu/ 10 kΩ/ 22 Ω or lower
REC OUT	–8 dBu/ 10 kΩ/ 22 Ω or lower
BOOTH	+8 dBu/ 10 kΩ/ 1 kΩ or lower
SEND	–12 dBu/ 10 kΩ/ 1 kΩ or lower
PHONES	+8.5 dBu/ 32 Ω/ 1 Ω or lower
Rated output level / Load impedance	
MASTER1	+26 dBu/ 10 kΩ
MASTER2	+20 dBu/ 10 kΩ
Crosstalk (LINE)	82 dB
Channel equalizer characteristic	
HI	–26 dB to +6 dB (13 kHz)
MID	–26 dB to +6 dB (1 kHz)
LOW	–26 dB to +6 dB (70 Hz)
Microphone equalizer characteristic	
HI	–12 dB to +12 dB (10 kHz)
LOW	–12 dB to +12 dB (100 Hz)

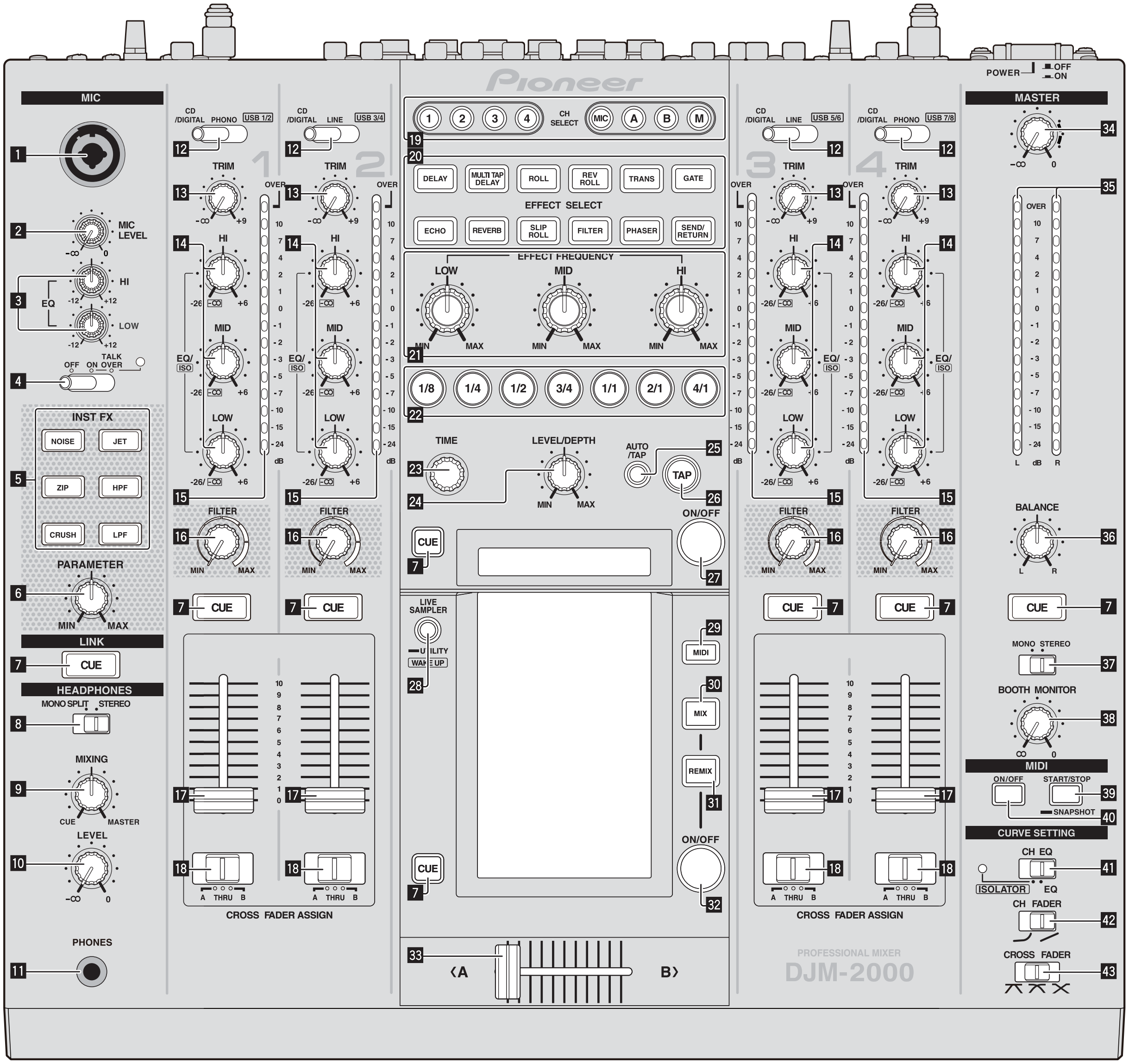
Input / Output terminals

PHONO input terminal	
RCA pin jack	2
CD input terminal	
RCA pin jack	4
LINE input terminal	
RCA pin jack	2
MIC input terminal	
XLR connector/ Phone jack (Ø 6.3 mm)	1
RETURN Input terminals	
Phone jack (Ø 6.3 mm)	1
DIGITAL IN coaxial input terminal	
RCA pin jack	4
MASTER output terminal	
XLR connector	1
RCA pin jack	1
BOOTH output terminal	
Phone jack (Ø 6.3 mm)	1
REC OUT output terminal	
RCA pin jack	1
SEND output terminal	
Phone jack (Ø 6.3 mm)	1
DIGITAL OUT coaxial output terminal	
RCA pin jack	1
MIDI OUT terminal	
5P DIN	1
PHONES output terminal	
Stereo phone jack (Ø 6.3 mm)	1
USB terminal	
B-type	1
CONTROL terminal	
Mini phone jack (Ø 3.5 mm)	2
LINK terminal	
LAN terminal (100Base-TX)	6

The specifications and design of this product are subject to change withoutnotice.

2.2 PANEL FACILITIES

■ Control Panel


Pioneer
POWER OFF ON
MIC
MIC LEVEL
HI
EQ
LOW
OFF ON OVER
TALK
INST FX
NOISE
JET
ZIP
HPF
CRUSH
LPF
PARAMETER
MIN MAX
LINK
CUE
HEADPHONES
MONO SPLIT STEREO
MIXING
CUE MASTER
LEVEL
PHONES
CD /DIGITAL PHONO USB 1/2
CD /DIGITAL LINE USB 3/4
CD /DIGITAL LINE USB 5/6
CD /DIGITAL PHONO USB 7/8
TRIM
HI
MID
LOW
EQ/ ISO
OVER
FILTER
CROSS FADER ASSIGN
A THRU B
CH SELECT
1 2 3 4 MIC A B M
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
GATE
EFFECT SELECT
ECHO
REVERB
SLIP ROLL
FILTER
PHASER
SEND/ RETURN
EFFECT FREQUENCY
LOW MID HI
1/8 1/4 1/2 3/4 1/1 2/1 4/1
TIME
LEVEL/DEPTH
AUTO /TAP
TAP
ON/OFF
LIVE SAMPLER
UTILITY
WAKE UP
MIDI
MIX
REMIX
‹A B›
PROFESSIONAL MIXER
DJM-2000
MASTER
OVER
L dB R
BALANCE
L R
MONO STEREO
BOOTH MONITOR
MIDI
ON/OFF
START/STOP
SNAPSHOT
CURVE SETTING
CH EQ
ISOLATOR EQ
CH FADER
CROSS FADER
1
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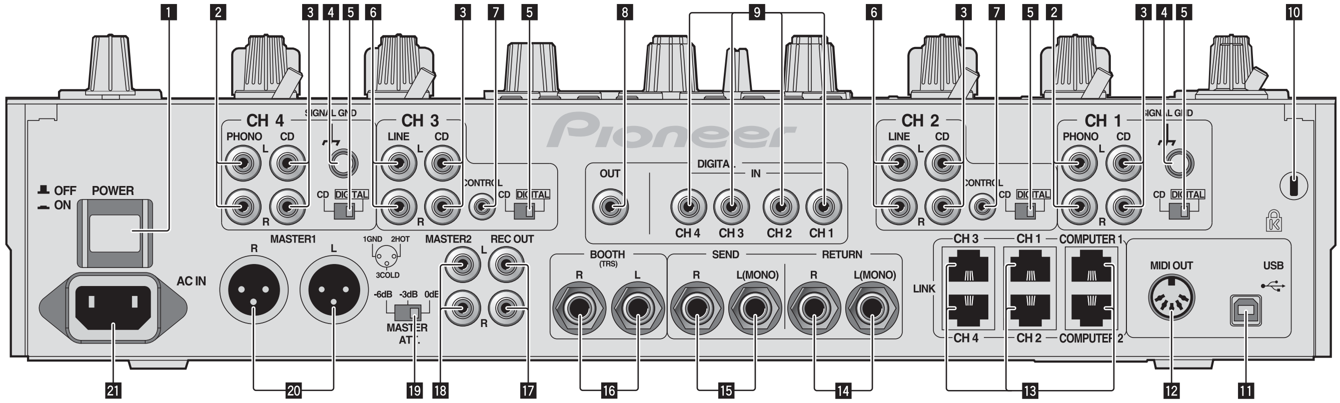
1 **Microphone input jack**
2 **MIC LEVEL**
3 **EQ (HI, LOW)**
4 **OFF, ON, TALK OVER**
5 **INST FX**
6 **PARAMETER**
7 **CUE**
8 **MONO SPLIT, STEREO**
9 **MIXING**
10 **LEVEL**
11 **PHONES**
12 **CD/DIGITAL, PHONO, LINE, USB */***
13 **TRIM**
14 **EQ/ISO (HI, MID, LOW)**
15 **Channel Level Indicator**
16 **FILTER**
17 **Channel Fader**
18 **CROSS FADER ASSIGN (A, THRU, B)**
19 **CH SELECT**
20 **EFFECT SELECT**
21 **EFFECT FREQUENCY (HI, MID, LOW)**
22 **Beat buttons**
23 **TIME**
24 **LEVEL/DEPTH**
25 **AUTO/TAP**
26 **TAP**
27 **ON/OFF (BEAT EFFECT)**
28 **LIVE SAMPLER (UTILITY, WAKE UP)**
29 **MIDI**
30 **MIX**
31 **REMIX**
32 **ON/OFF (TOUCH PANEL EFFECT)**
33 **Crossfader**
34 **MASTER**
35 **Master Level Indicator**
36 **BALANCE**
37 **MONO, STEREO**
38 **BOOTH MONITOR**
39 **START/STOP (SNAPSHOT)**
40 **ON/OFF (MIDI)**
41 **CH EQ (ISOLATOR, EQ)**
42 **CH FADER (⌣, ⟋)**
43 **CROSS FADER (⋏, ⋏, ⨯)**

Rear Panel


1
2
3
4
5
6
3
7
5
8
9
6
3
7
5
2
3
4
5
10
CH 4
PHONO
CD
SIGNAL GND
L
R
CH 3
LINE
CD
CONTROL
CD
DIGITAL
Pioneer
OUT
DIGITAL
IN
CH 4
CH 3
CH 2
CH 1
CH 2
LINE
CD
CONTROL
CD
DIGITAL
CH 1
PHONO
CD
SIGNAL GND
CD
DIGITAL
OFF
ON
POWER
AC IN
MASTER1
R
L
1GND
2HOT
3COLD
-6dB
-3dB
0dB
MASTER ATT.
MASTER2
REC OUT
BOOTH
(TRS)
SEND
RETURN
R
L
L(MONO)
LINK
CH 3
CH 1
COMPUTER 1
CH 4
CH 2
COMPUTER 2
MIDI OUT
USB
21
20
19
18
17
16
15
14
13
12
11

1 POWER
Turns this unit's power on and off.

2 PHONO
Connect to a phono level (MM cartridge) output device. Do not input line level signals.

3 CD
Connect to a DJ player or a line level output component.

4 SIGNAL GND
Connect an analog player's ground wire here. This helps reduce noise when the analog player is connected.

5 CD, DIGITAL
Selects the analog signal input terminals (**CD**) or the digital signal input terminals (**DIGITAL IN**).

6 LINE
Connect to a cassette deck or a line level output component.

7 CONTROL
Connect using a control cord (included with Pioneer DJ players).

8 DIGITAL OUT
Outputs the master channel audio signals.

9 DIGITAL IN
Connect these to the digital coaxial output terminals on DJ players, etc. The sound may be momentarily interrupted when the output signal sampling frequency is switched.

10 Kensington security slot

11 USB
Connect to a computer.

12 MIDI OUT
Connect this to the MIDI IN terminal on an external MIDI sequencer.

13 LINK
Connect these to the LINK terminals on Pioneer DJ players or the LAN ports of computers on which rekordbox is installed (PRO DJ LINK).

14 RETURN
Connect to the output terminal of an external effector. When the [**L (MONO)**] channel only is connected, the [**L (MONO)**] channel input is simultaneously input to the [**R**] channel.

15 SEND
Connect to the input terminal of an external effector. When the [**L (MONO)**] channel only is connected, a monaural audio signal is output.

16 BOOTH
Output terminals for a booth monitor, compatible with balanced or unbalanced output for a TRS connector.

17 REC OUT
This is an output terminal for recording.

18 MASTER2
Connect to a power amplifier, etc.

19 MASTER ATT.
Switches the attenuation level of the sound output from the [**MASTER1**] and [**MASTER2**] terminals. Select 0 dB, –3 dB or –6 dB.

20 MASTER1
Connect to a power amplifier, etc.

21 AC IN
Connect to a power outlet using the included power cord. Wait until all connections between the equipment are completed before connecting the power cord.
Be sure to use the included power cord.

3. BASIC ITEMS FOR SERVICE
3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing / DJM

To keep the product quality after servicing, confirm recommended check points shown below.

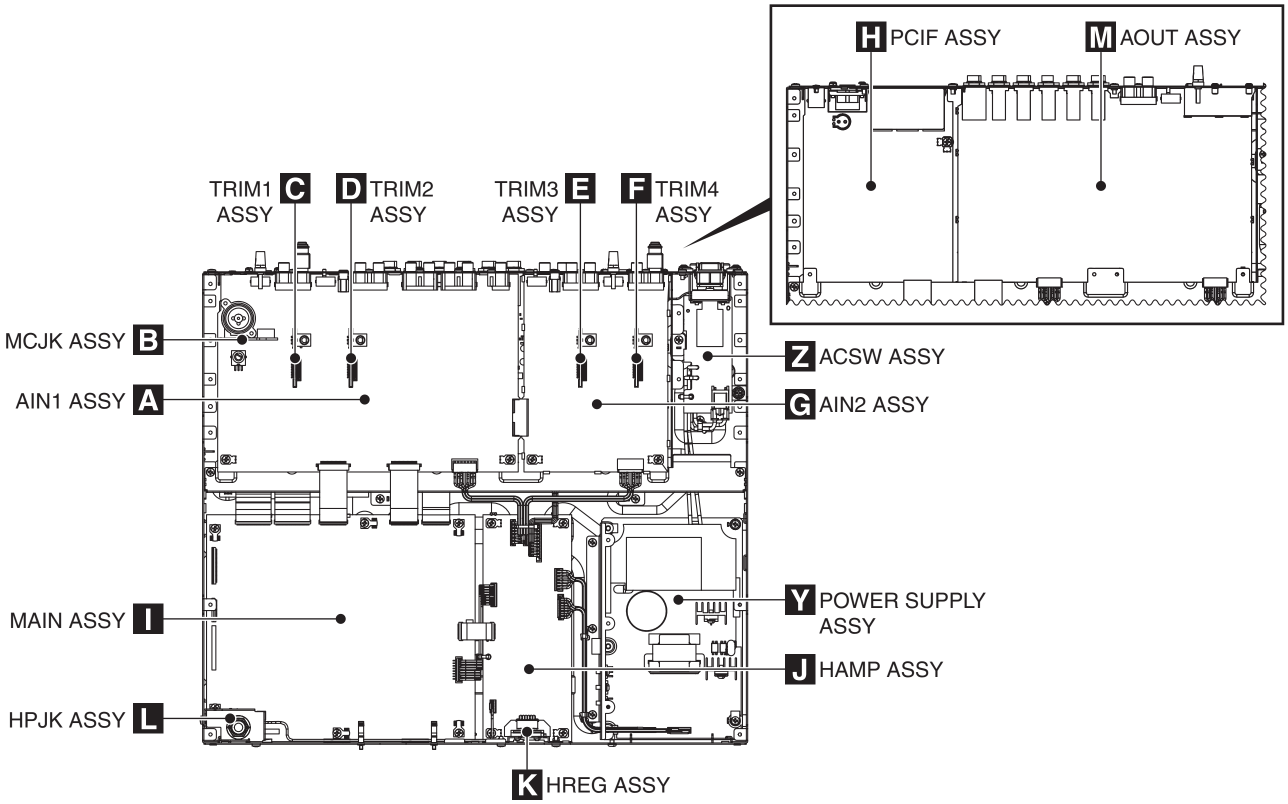
No.	Procedures	Check points
1	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections with a CDJ player.)	Audio for each channel and operations must be normal.
3	Check Fader playback. (Select Fader and check the multichannel operations via the DSP.)	Audio for each channel and operations must be normal.
4	Check the master outputs. (Connect with a CDJ player.)	Audio and operations must be normal.
5	Check the sound from headphone output.	Sound must be normal, without noise.
6	Check the connection of each interface.	
	USB B	Device must be recognized by the PC.
	LINK	Connection of the LAN must be normal in the Test mode.
7	Check the keys on the unit.	Check whether a product can be operated properly by buttons on the product.
8	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

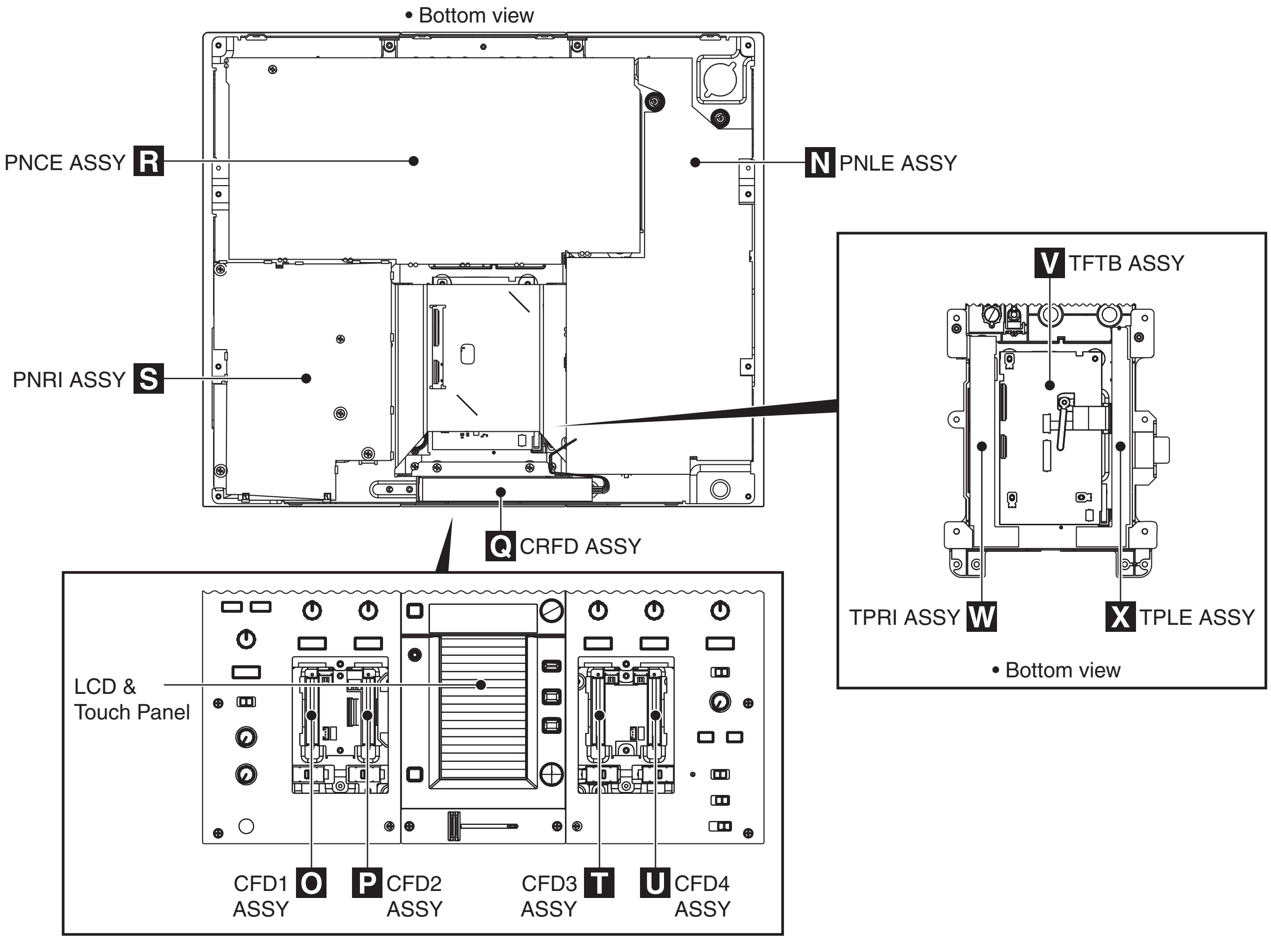
Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

3.2 PCB LOCATIONS

■ Main Section


H PCIF ASSY
M AOUT ASSY
TRIM1 ASSY C
D TRIM2 ASSY
TRIM3 ASSY E
F TRIM4 ASSY
MCJK ASSY B
AIN1 ASSY A
Z ACSW ASSY
G AIN2 ASSY
MAIN ASSY I
Y POWER SUPPLY ASSY
J HAMP ASSY
HPJK ASSY L
K HREG ASSY

■ Control Panel Section


• Bottom view
PNCE ASSY R
N PNLE ASSY
PNRI ASSY S
Q CRFD ASSY
V TFTB ASSY
TPRI ASSY W
X TPLE ASSY
• Bottom view
LCD & Touch Panel
CFD1 ASSY O
P CFD2 ASSY
CFD3 ASSY T
U CFD4 ASSY

NOTES: ● *Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

LIST OF ASSEMBLIES

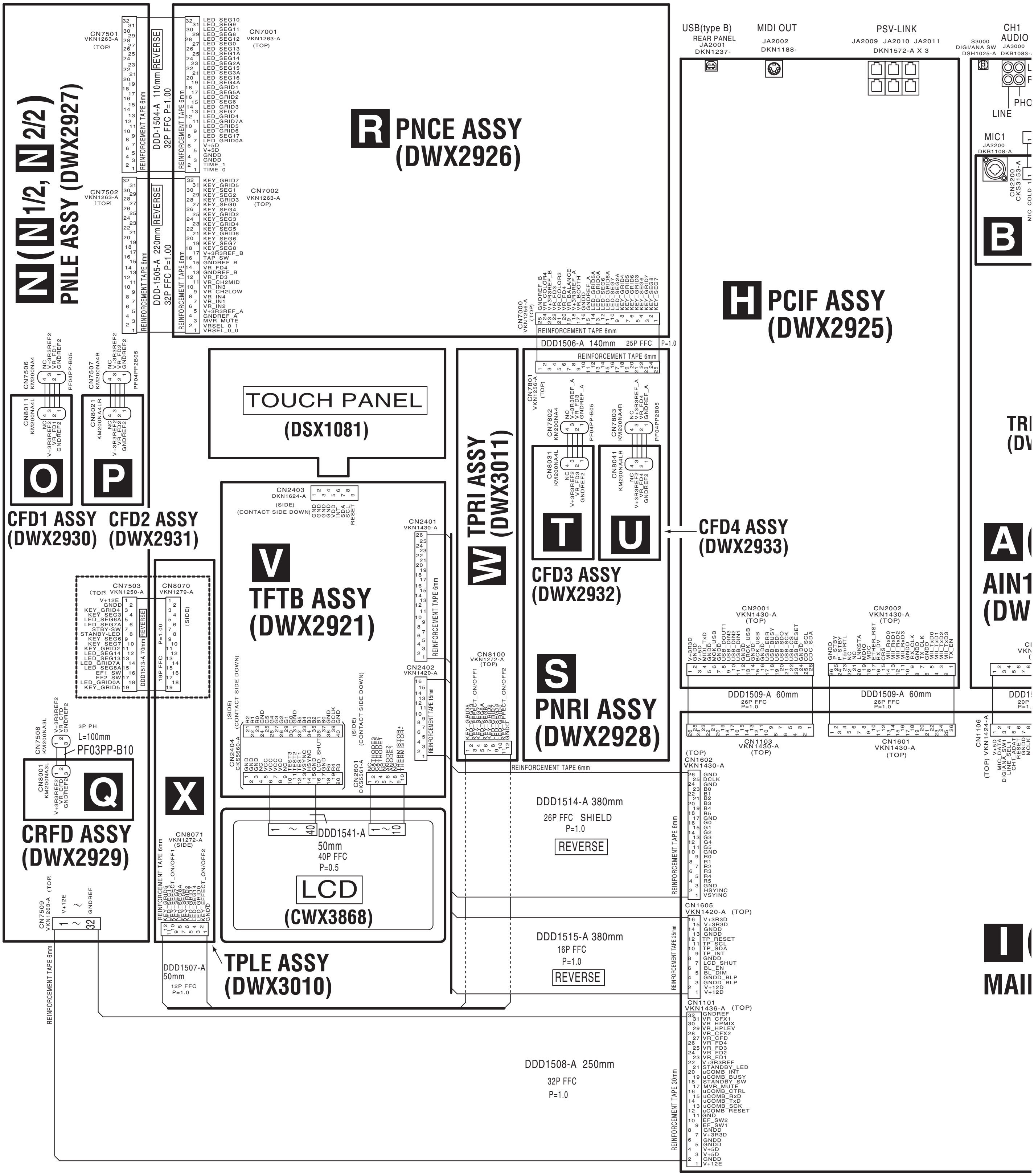
Mark	No. Description	Part No.
NSP	1..AITF ASSY	DWM2334
	2..TFTB ASSY	DWX2921
	2..AIN1 ASSY	DWX2922
	2..TRIM1 ASSY	DWX2935
	2..TRIM2 ASSY	DWX2936
NSP	1..AIPC ASSY	DWM2335
	2..AIN2 ASSY	DWX2923
	2..PCIF ASSY	DWX2925
	2..TRIM3 ASSY	DWX2937
	2..TRIM4 ASSY	DWX2938
	2..TPLE ASSY	DWX3010
	2..TPRI ASSY	DWX3011
NSP	1..OUHP ASSY	DWM2336
	2..HAMP ASSY	DWX2919
	2..AOUT ASSY	DWX2924
	2..HPJK ASSY	DWX2939
	2..HREG ASSY	DWX2940

Mark	No. Description	Part No.
NSP	1..PNLA ASSY	DWM2337
	2..ACSW ASSY	DWX2918
	2..PNCE ASSY	DWX2926
	2..MCJK ASSY	DWX2934
NSP	1..PNLB ASSY	DWM2338
	2..PNLE ASSY	DWX2927
	2..PNRI ASSY	DWX2928
	2..CRFD ASSY	DWX2929
	2..CFD1 ASSY	DWX2930
	2..CFD2 ASSY	DWX2931
	2..CFD3 ASSY	DWX2932
	2..CFD4 ASSY	DWX2933
	1..MAIN ASSY	DWX2920
⚠	1..POWER SUPPLY ASSY	DWR1473 or DWR1492
	LCD	CWX3868
	Touch Panel	DSX1081

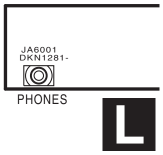
4. BLOCK DIAGRAM

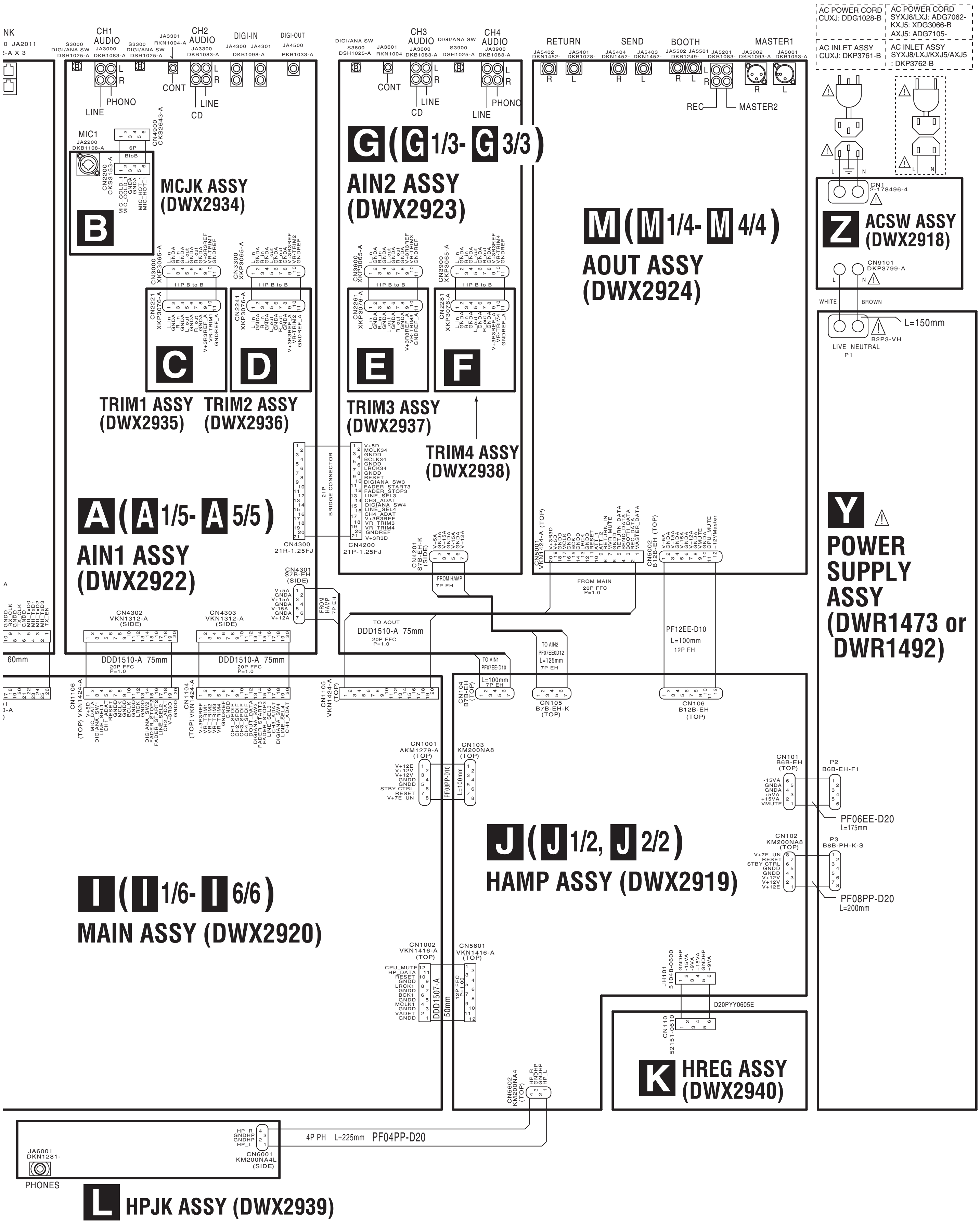
4.1 OVERALL CONNECTION DIAGRAM

⚠ REINFORCEMENT TAPE 10mm of FFC not directed

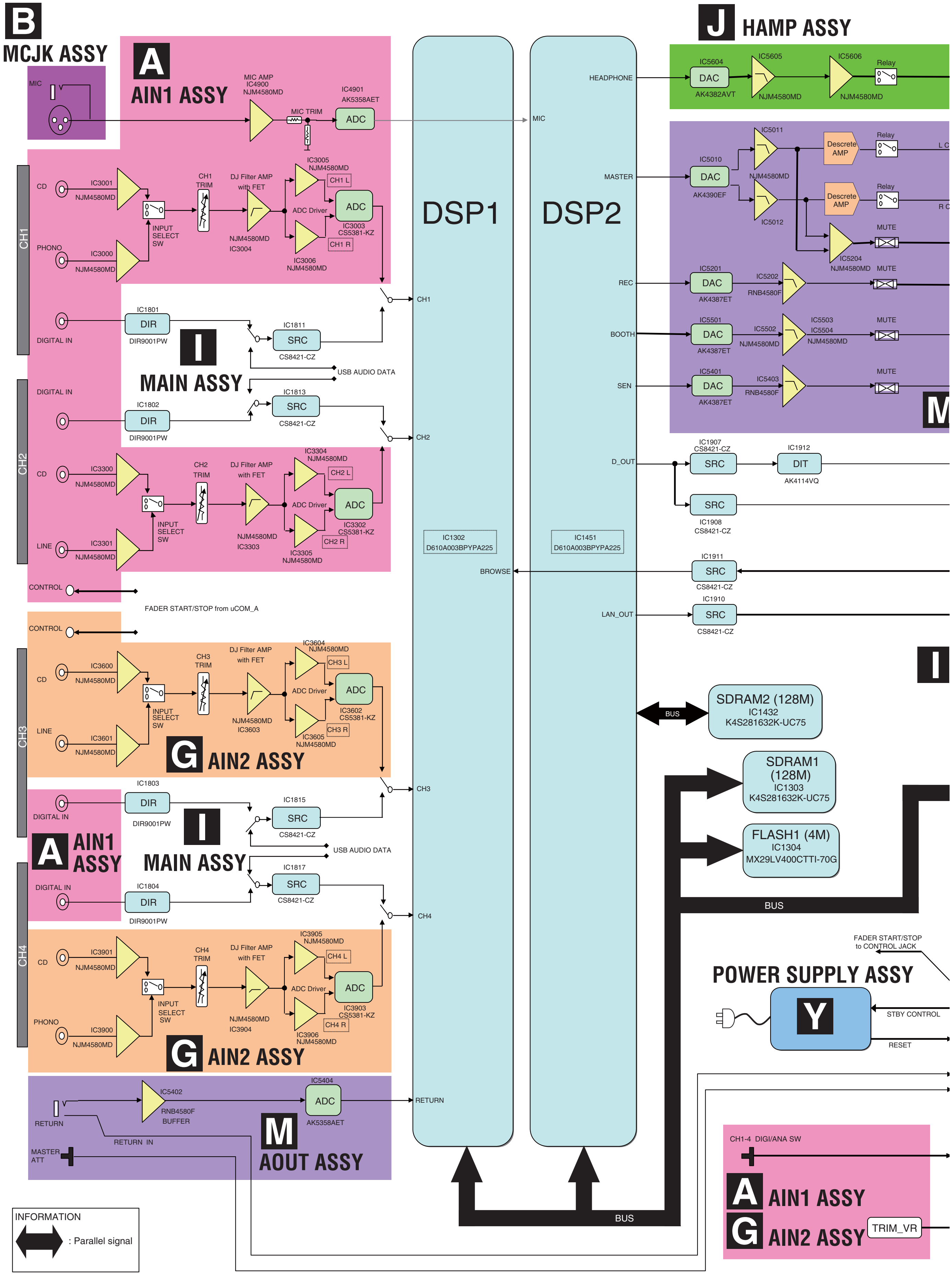

N (N 1/2, N 2/2)
PNLE ASSY (DWX2927)
CN7501 VKN1263-A (TOP)
CN7502 VKN1263-A (TOP)
DDD-1504-A 110mm 32P FFC P=1.00
DDD-1505-A 220mm 32P FFC P=1.00
REVERSE
REINFORCEMENT TAPE 6mm
CN7001 VKN1263-A (TOP)
CN7002 VKN1263-A (TOP)
R PNCE ASSY (DWX2926)
CN7506 KM200NA4
CN7507 KM200NA4R
CN8011 KM200NA4L
CN8021 KM200NA4LR
PF04PP-B05
PF04PP2B05
O
P
CFD1 ASSY (DWX2930)
CFD2 ASSY (DWX2931)
CN7503 VKN1250-A (TOP)
CN8070 VKN1279-A (SIDE)
DDD1513-A 70mm 19P FFC P=1.00
CN7508 KM200NA3L
3P PH L=100mm PF03PP-B10
CN8001 KM200NA3L
Q
CRFD ASSY (DWX2929)
CN7509 VKN1263-A (TOP)
V+12E
GNDREF
TOUCH PANEL (DSX1081)
CN2403 DKN1624-A (SIDE) (CONTACT SIDE DOWN)
CN2401 VKN1430-A
CN2402 VKN1420-A
CN2404 CKS5560-A (SIDE) (CONTACT SIDE DOWN)
CN2601 CKS5561-A (SIDE) (CONTACT SIDE DOWN)
V TFTB ASSY (DWX2921)
DDD1541-A 50mm 40P FFC P=0.5
LCD (CWX3868)
X
CN8071 VKN1272-A (SIDE)
DDD1507-A 50mm 12P FFC P=1.0
TPLE ASSY (DWX3010)
W TPRI ASSY (DWX3011)
CN8100 VKN1272-A (TOP)
CN7000 VKN1256-A (TOP)
DDD1506-A 140mm 25P FFC P=1.0
CN7801 VKN1256-A (TOP)
CN7802 KM200NA4
CN7803 KM200NA4R
CN8031 KM200NA4L
CN8041 KM200NA4LR
T
U
CFD3 ASSY (DWX2932)
CFD4 ASSY (DWX2933)
S PNRI ASSY (DWX2928)
H PCIF ASSY (DWX2925)
USB(type B) REAR PANEL JA2001 DKN1237-
MIDI OUT JA2002 DKN1188-
PSV-LINK JA2009 JA2010 JA2011 DKN1572-A X 3
S3000 DIGI/ANA SW DSH1025-A
CH1 AUDIO JA3000 DKB1083-
LINE
PHO
MIC1 JA2200 DKB1108-A
CN2200 CKS3153-A
MIC COLD
B
CN2001 VKN1430-A (TOP)
CN2002 VKN1430-A (TOP)
DDD1509-A 60mm 26P FFC P=1.0
DDD1509-A 60mm 26P FFC P=1.0
CN1602 VKN1430-A (TOP)
CN1103 VKN1430-A (TOP)
CN1601 VKN1430-A (TOP)
CN1106 VKN1424-A (TOP)
DDD1514-A 380mm 26P FFC SHIELD P=1.0 REVERSE
CN1605 VKN1420-A (TOP)
DDD1515-A 380mm 16P FFC P=1.0 REVERSE
CN1101 VKN1436-A (TOP)
DDD1508-A 250mm 32P FFC P=1.0
REINFORCEMENT TAPE 30mm
REINFORCEMENT TAPE 25mm
REINFORCEMENT TAPE 15mm
TRI (DV
A AIN1 (DW
I MAII

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- ▭ : The power supply is shown with the marked box.

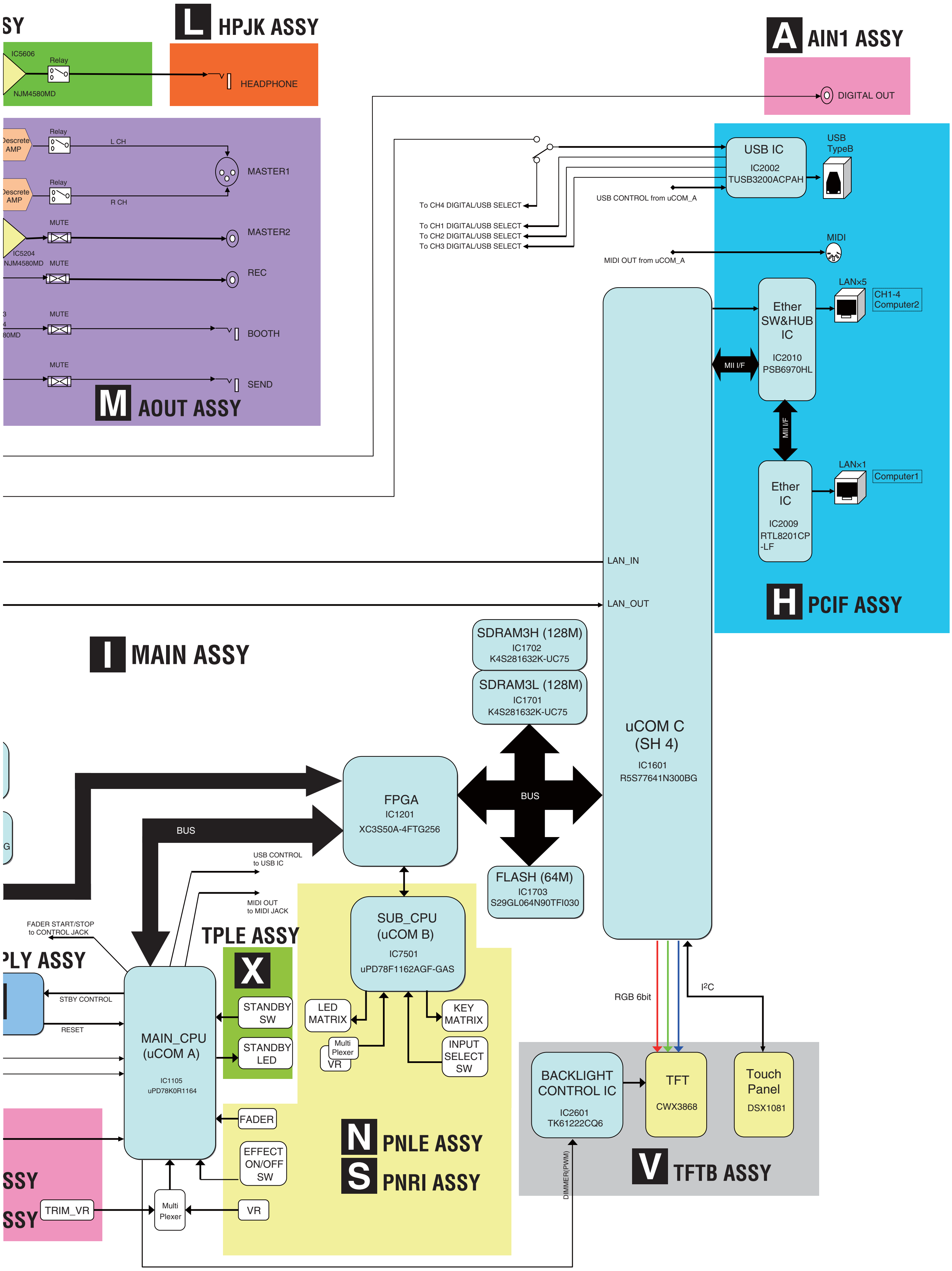

JA6001 DKN1281-
PHONES
L


A (A 1/5- A 5/5)
AIN1 ASSY (DWX2922)
B
MCJK ASSY (DWX2934)
MIC1 JA2200 DKB1108-A
CN2200 CKS3153-A
CN4900 CKS2643-A
C
TRIM1 ASSY (DWX2935)
D
TRIM2 ASSY (DWX2936)
CN3000 XKP3065-A
CN2221 XKP3076-A
CN3300 XKP3065-A
CN2241 XKP3076-A
11P B to B
CH1 AUDIO JA3000 DKB1083-A
S3000 DIGI/ANA SW DSH1025-A
S3300 DIGI/ANA SW DSH1025-A
JA3301 RKN1004-A
CH2 AUDIO JA3300 DKB1083-A
DIGI-IN JA4300 JA4301 DKB1098-A
DIGI-OUT JA4500 PKB1033-A
LINE
PHONO
CONT
CD
CN4300 21R-1.25FJ
21P BRIDGE CONNECTOR
CN4200 21P-1.25FJ
CN4301 S7B-EH (SIDE)
FROM HAMP 7P EH
CN4302 VKN1312-A (SIDE)
CN4303 VKN1312-A (SIDE)
DDD1510-A 75mm 20P FFC P=1.0
G (G 1/3- G 3/3)
AIN2 ASSY (DWX2923)
CH3 AUDIO JA3600 DKB1083-A
S3600 DIGI/ANA SW DSH1025-A
JA3601 RKN1004
S3900 DIGI/ANA SW DSH1025-A
CH4 AUDIO JA3900 DKB1083-A
E
TRIM3 ASSY (DWX2937)
F
TRIM4 ASSY (DWX2938)
CN3600 XKP3065-A
CN2261 XKP3076-A
CN3900 XKP3065-A
CN2281 XKP3076-A
CN4201 S7B-EH-K (SIDE)
FROM HAMP 7P EH
TO AOUT DDD1510-A 75mm 20P FFC P=1.0
M (M 1/4- M 4/4)
AOUT ASSY (DWX2924)
RETURN JA5402 DKN1452- JA5401 DKB1078-
SEND JA5404 DKN1452- JA5403 DKN1452-
BOOTH JA5502 JA5501 DKB1249-
JA5201 DKB1083-
MASTER1 JA5002 DKB1093-A JA5001 DKB1093-A
REC
MASTER2
CN5001 VKN1424-A (TOP)
CN5002 B12B-EH (TOP)
FROM MAIN 20P FFC P=1.0
PF12EE-D10 L=100mm 12P EH
TO AIN1 PF07EE-D10 L=100mm 7P EH
TO AIN2 PF07EE0D12 L=125mm 7P EH
AC POWER CORD CUXJ: DDG1028-B
AC POWER CORD SYXJ8/LXJ: ADG7062- KXJ5: XDG3066-B AXJ5: ADG7105-
AC INLET ASSY CUXJ: DKP3761-B
AC INLET ASSY SYXJ8/LXJ/KXJ5/AXJ5 : DKP3762-B
Z
ACSW ASSY (DWX2918)
CN1 2-178496-4
CN9101 DKP3799-A
WHITE
BROWN
L=150mm
B2P3-VH
LIVE NEUTRAL P1
Y
POWER SUPPLY ASSY (DWR1473 or DWR1492)
P2 B6B-EH-F1
PF06EE-D20 L=175mm
P3 B8B-PH-K-S
PF08PP-D20 L=200mm
I (I 1/6- I 6/6)
MAIN ASSY (DWX2920)
CN1106 (TOP) VKN1424-A
CN1104 (TOP) VKN1424-A
CN1105 VKN1424-A (TOP)
CN1002 VKN1416-A (TOP)
DDD1507-A 50mm
J (J 1/2, J 2/2)
HAMP ASSY (DWX2919)
CN104 B7B-EH (TOP)
CN105 B7B-EH-K (TOP)
CN106 B12B-EH (TOP)
CN1001 AKM1279-A (TOP)
CN103 KM200NA8 (TOP)
PF08PP-D10 L=100mm
CN101 B6B-EH (TOP)
CN102 KM200NA8 (TOP)
CN5601 VKN1416-A (TOP)
12P FFC P=1.00
JH101 51048-0600
D20PYY0605E
CN110 52151-0610
K
HREG ASSY (DWX2940)
CN5602 KM200NA4 (TOP)
4P PH L=225mm PF04PP-D20
CN6001 KM200NA4L (SIDE)
JA6001 DKN1281-
PHONES
L
HPJK ASSY (DWX2939)

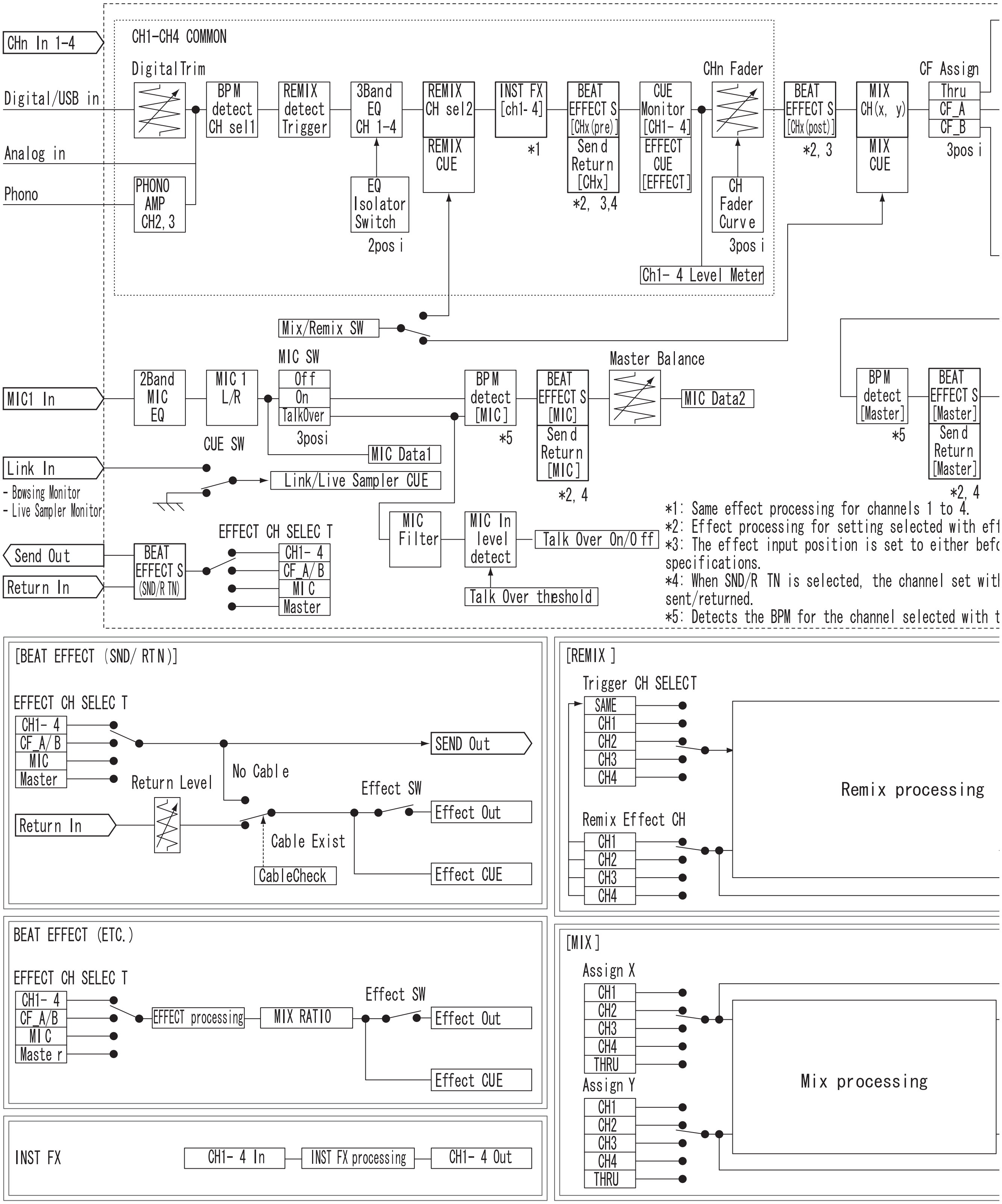
4.2 BLOCK DIAGRAM



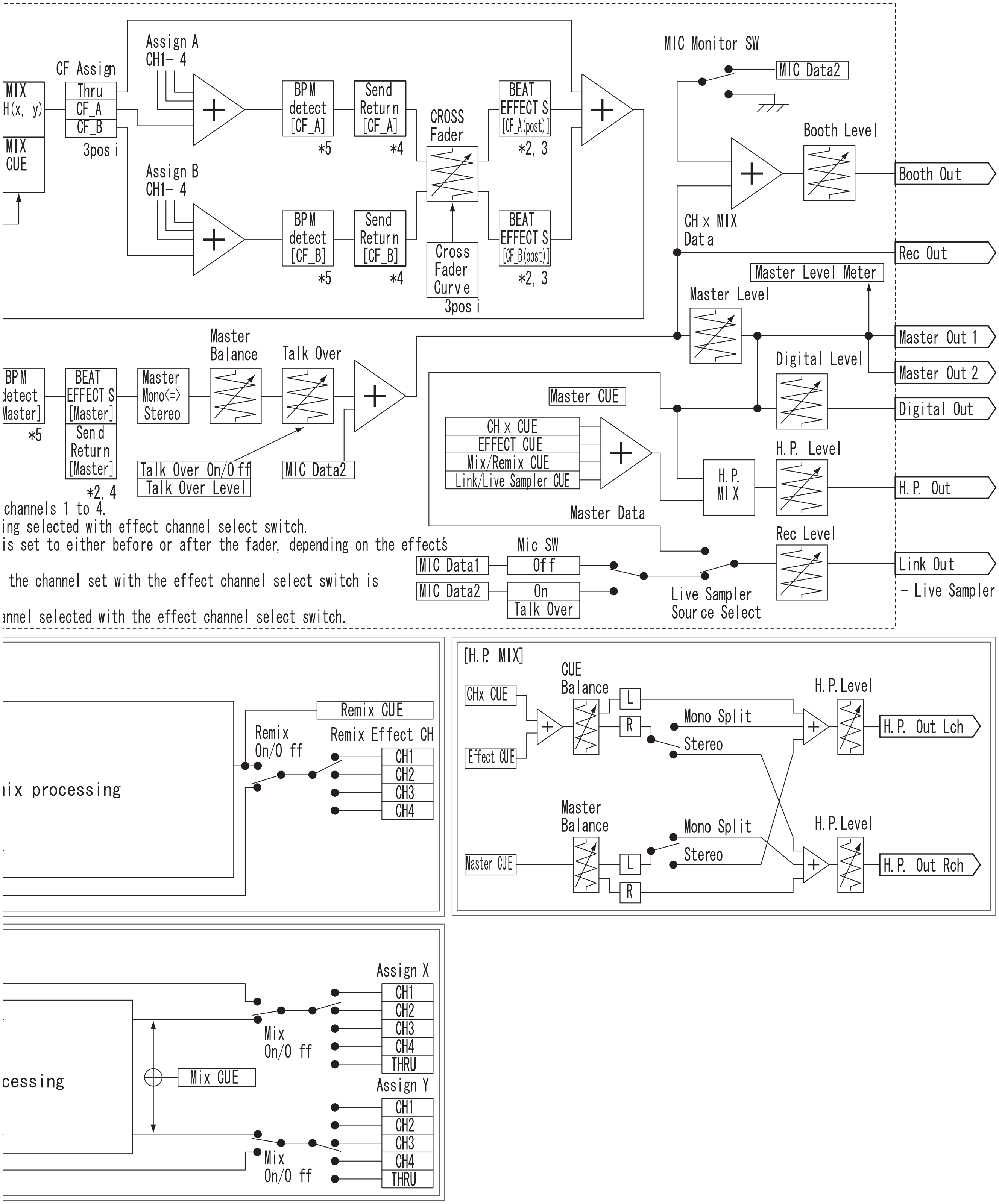
B
MCJK ASSY
MIC
A
AIN1 ASSY
MIC AMP
IC4900
NJM4580MD
MIC TRIM
IC4901
AK5358AET
ADC
MIC
CH1
CD
IC3001
NJM4580MD
PHONO
IC3000
NJM4580MD
INPUT SELECT SW
CH1 TRIM
DJ Filter AMP with FET
NJM4580MD
IC3004
IC3005
NJM4580MD
CH1 L
ADC Driver
ADC
IC3003
CS5381-KZ
CH1 R
IC3006
NJM4580MD
DIGITAL IN
IC1801
DIR
DIR9001PW
IC1811
SRC
CS8421-CZ
I
MAIN ASSY
USB AUDIO DATA
IC1813
SRC
CS8421-CZ
DIGITAL IN
IC1802
DIR
DIR9001PW
CH2
CD
IC3300
NJM4580MD
LINE
IC3301
NJM4580MD
INPUT SELECT SW
CH2 TRIM
DJ Filter AMP with FET
NJM4580MD
IC3303
IC3304
NJM4580MD
CH2 L
ADC Driver
ADC
IC3302
CS5381-KZ
CH2 R
IC3305
NJM4580MD
CONTROL
FADER START/STOP from uCOM_A
CONTROL
CH3
CD
IC3600
NJM4580MD
LINE
IC3601
NJM4580MD
INPUT SELECT SW
CH3 TRIM
DJ Filter AMP with FET
NJM4580MD
IC3603
IC3604
NJM4580MD
CH3 L
ADC Driver
ADC
IC3602
CS5381-KZ
CH3 R
IC3605
NJM4580MD
G
AIN2 ASSY
IC1803
DIGITAL IN
DIR
DIR9001PW
IC1815
SRC
CS8421-CZ
A
AIN1 ASSY
I
MAIN ASSY
USB AUDIO DATA
IC1817
SRC
CS8421-CZ
DIGITAL IN
IC1804
DIR
DIR9001PW
CH4
CD
IC3901
NJM4580MD
PHONO
IC3900
NJM4580MD
INPUT SELECT SW
CH4 TRIM
DJ Filter AMP with FET
NJM4580MD
IC3904
IC3905
NJM4580MD
CH4 L
ADC Driver
ADC
IC3903
CS5381-KZ
CH4 R
IC3906
NJM4580MD
G
AIN2 ASSY
RETURN
IC5402
RNB4580F
BUFFER
IC5404
ADC
AK5358AET
RETURN IN
MASTER ATT
M
AOUT ASSY
INFORMATION
: Parallel signal
CH1
CH2
CH3
CH4
RETURN
DSP1
IC1302
D610A003BPYPA225
DSP2
IC1451
D610A003BPYPA225
BROWSE
BUS
J
HAMP ASSY
HEADPHONE
IC5604
DAC
AK4382AVT
IC5605
NJM4580MD
IC5606
NJM4580MD
Relay
MASTER
IC5010
DAC
AK4390EF
IC5011
NJM4580MD
IC5012
Descrete AMP
Relay
L C
Descrete AMP
Relay
R C
MUTE
IC5204
NJM4580MD
REC
IC5201
DAC
AK4387ET
IC5202
RNB4580F
MUTE
BOOTH
IC5501
DAC
AK4387ET
IC5502
NJM4580MD
IC5503
IC5504
NJM4580MD
MUTE
SEN
IC5401
DAC
AK4387ET
IC5403
RNB4580F
MUTE
M
D_OUT
IC1907
CS8421-CZ
SRC
IC1912
DIT
AK4114VQ
SRC
IC1908
CS8421-CZ
IC1911
SRC
CS8421-CZ
LAN_OUT
IC1910
SRC
CS8421-CZ
I
BUS
SDRAM2 (128M)
IC1432
K4S281632K-UC75
SDRAM1 (128M)
IC1303
K4S281632K-UC75
FLASH1 (4M)
IC1304
MX29LV400CTTI-70G
BUS
FADER START/STOP to CONTROL JACK
POWER SUPPLY ASSY
Y
STBY CONTROL
RESET
CH1-4 DIGI/ANA SW
A
AIN1 ASSY
G
AIN2 ASSY
TRIM_VR


SY
L HPJK ASSY
IC5606
Relay
NJM4580MD
HEADPHONE
A AIN1 ASSY
DIGITAL OUT
Relay
Descrete AMP
L CH
MASTER1
Relay
Descrete AMP
R CH
MUTE
MASTER2
IC5204
NJM4580MD
MUTE
REC
MUTE
BOOTH
MUTE
SEND
M AOUT ASSY
USB IC
IC2002
TUSB3200ACPAH
USB TypeB
To CH4 DIGITAL/USB SELECT
USB CONTROL from uCOM_A
To CH1 DIGITAL/USB SELECT
To CH2 DIGITAL/USB SELECT
To CH3 DIGITAL/USB SELECT
MIDI
MIDI OUT from uCOM_A
LANx5
CH1-4 Computer2
Ether SW&HUB IC
IC2010
PSB6970HL
MII I/F
MII I/F
LANx1
Computer1
Ether IC
IC2009
RTL8201CP -LF
LAN_IN
LAN_OUT
H PCIF ASSY
I MAIN ASSY
SDRAM3H (128M)
IC1702
K4S281632K-UC75
SDRAM3L (128M)
IC1701
K4S281632K-UC75
uCOM C (SH 4)
IC1601
R5S77641N300BG
FPGA
IC1201
XC3S50A-4FTG256
BUS
BUS
FLASH (64M)
IC1703
S29GL064N90TFI030
USB CONTROL to USB IC
MIDI OUT to MIDI JACK
FADER START/STOP to CONTROL JACK
TPLE ASSY
PLY ASSY
X
SUB_CPU (uCOM B)
IC7501
uPD78F1162AGF-GAS
RGB 6bit
I²C
STBY CONTROL
RESET
STANDBY SW
STANDBY LED
LED MATRIX
KEY MATRIX
Multi Plexer
VR
INPUT SELECT SW
MAIN_CPU (uCOM A)
IC1105
uPD78K0R1164
BACKLIGHT CONTROL IC
IC2601
TK61222CQ6
TFT
CWX3868
Touch Panel
DSX1081
FADER
EFFECT ON/OFF SW
N PNLE ASSY
S PNRI ASSY
V TFTB ASSY
DIMMER(PWM)
SSY
SSY
TRIM_VR
Multi Plexer
VR

4.3 DSP BLOCK DIAGRAM

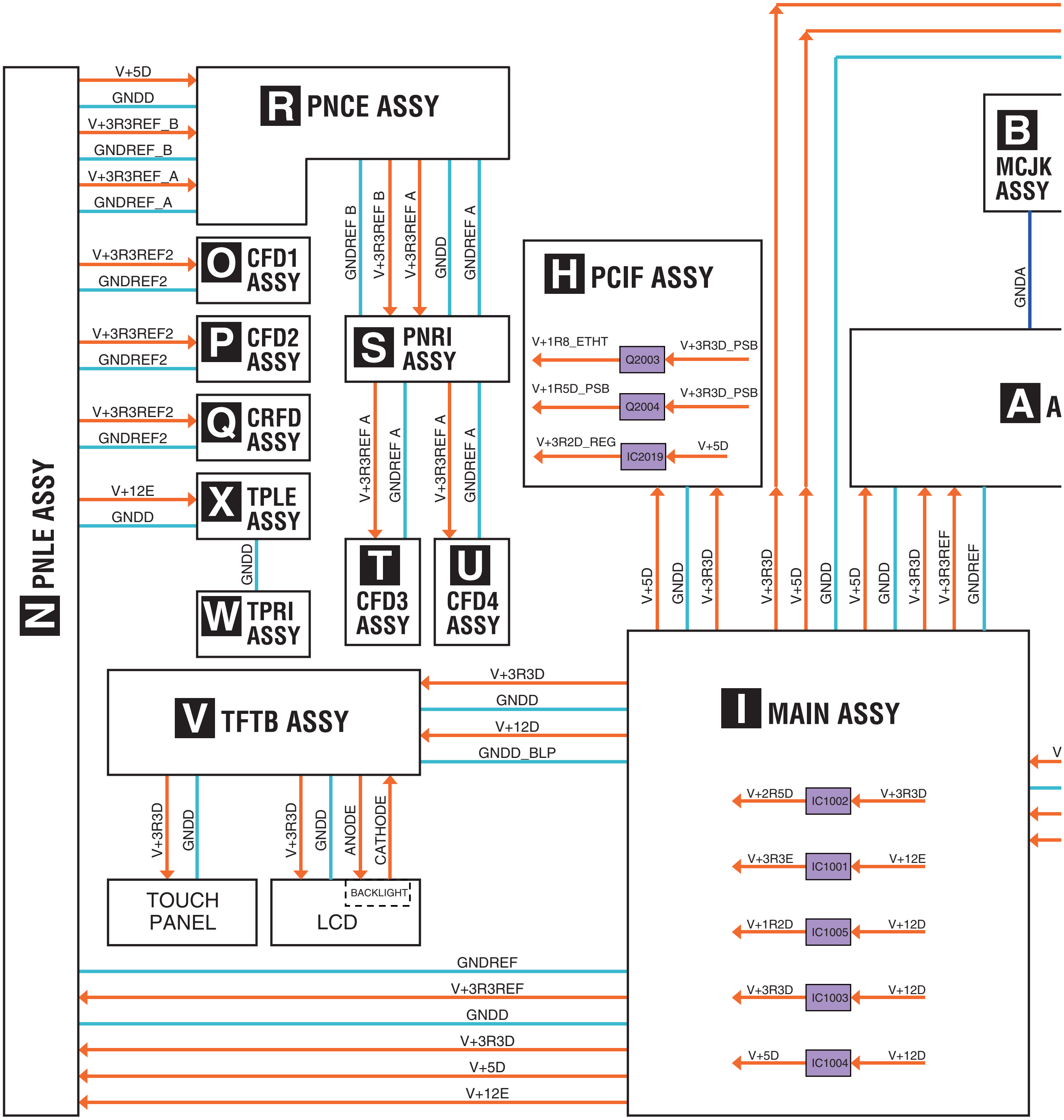

CHn In 1-4
Digital/USB in
Analog in
Phono
CH1-CH4 COMMON
DigitalTrim
PHONO AMP CH2, 3
BPM detect CH sel1
REMIX detect Trigger
3Band EQ CH 1-4
EQ Isolator Switch
2posi
REMIX CH sel2
REMIX CUE
INST FX [ch1-4]
*1
BEAT EFFECTS [CHx(pre)]
Send Return [CHx]
*2, 3,4
CUE Monitor [CH1-4]
EFFECT CUE [EFFECT]
CHn Fader
CH Fader Curve
3posi
Ch1-4 Level Meter
BEAT EFFECTS [CHx(post)]
*2, 3
MIX CH(x, y)
MIX CUE
CF Assign
Thru
CF_A
CF_B
3posi
Mix/Remix SW
MIC1 In
2Band MIC EQ
MIC1 L/R
MIC SW
Off
On
TalkOver
3posi
MIC Data1
BPM detect [MIC]
*5
BEAT EFFECTS [MIC]
Send Return [MIC]
*2, 4
Master Balance
MIC Data2
BPM detect [Master]
*5
BEAT EFFECTS [Master]
Send Return [Master]
*2, 4
CUE SW
Link In
- Bowsing Monitor
- Live Sampler Monitor
Link/Live Sampler CUE
MIC Filter
MIC In level detect
Talk Over On/Off
Talk Over theshold
EFFECT CH SELECT
CH1-4
CF_A/B
MIC
Master
Send Out
Return In
BEAT EFFECTS (SND/RTN)
[BEAT EFFECT (SND/RTN)]
EFFECT CH SELECT
CH1-4
CF_A/B
MIC
Master
SEND Out
Return Level
No Cable
Return In
Effect SW
Effect Out
Cable Exist
CableCheck
Effect CUE
BEAT EFFECT (ETC.)
EFFECT CH SELECT
CH1-4
CF_A/B
MIC
Master
EFFECT processing
MIX RATIO
Effect SW
Effect Out
Effect CUE
INST FX
CH1-4 In
INST FX processing
CH1-4 Out
[REMIX]
Trigger CH SELECT
SAME
CH1
CH2
CH3
CH4
Remix Effect CH
CH1
CH2
CH3
CH4
Remix processing
[MIX]
Assign X
CH1
CH2
CH3
CH4
THRU
Assign Y
CH1
CH2
CH3
CH4
THRU
Mix processing

*1: Same effect processing for channels 1 to 4.
*2: Effect processing for setting selected with ef
*3: The effect input position is set to either befo
specifications.
*4: When SND/RTN is selected, the channel set wit
sent/returned.
*5: Detects the BPM for the channel selected with t

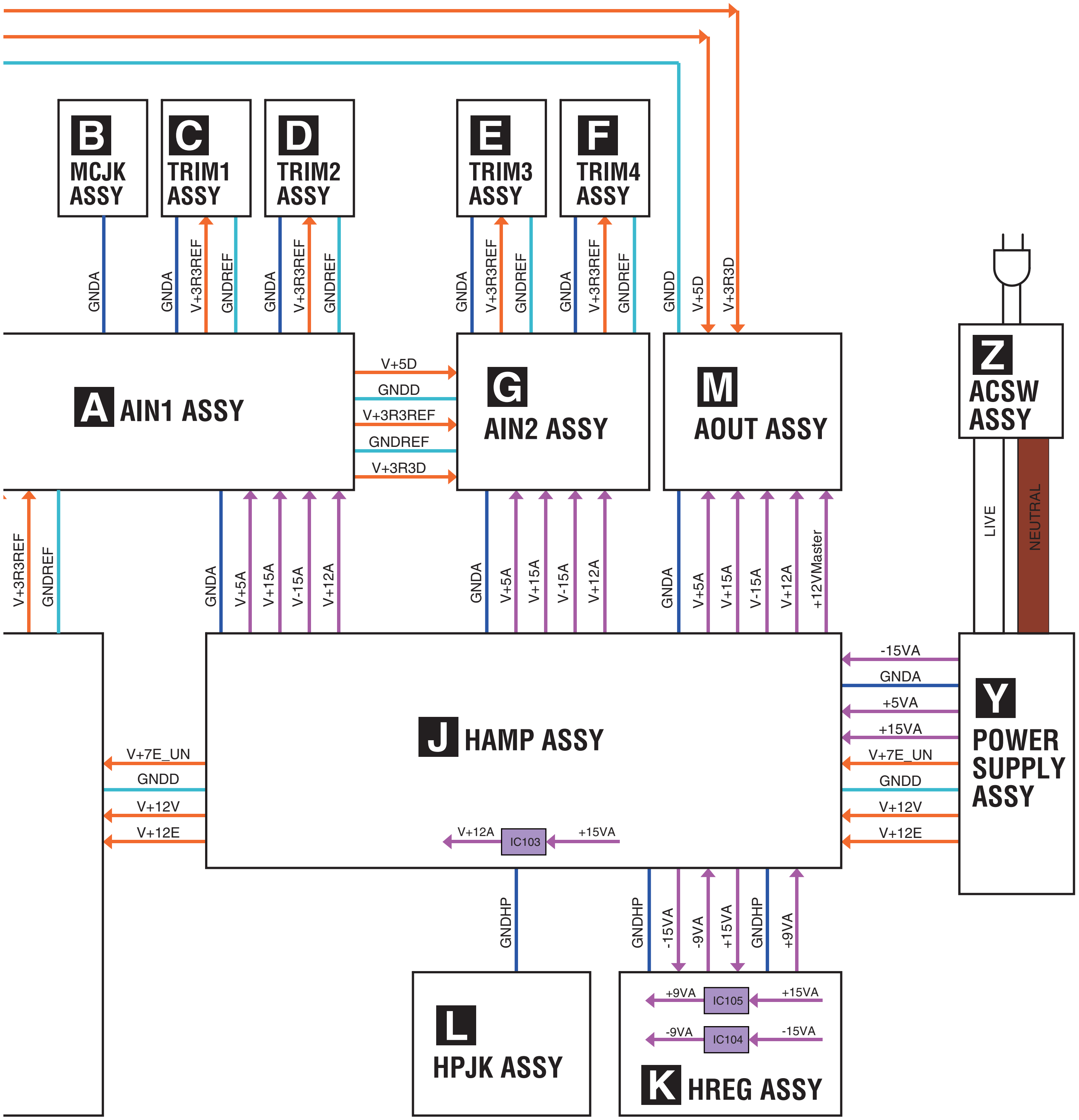

MIX
H(x, y)
MIX
CUE
CF Assign
Thru
CF_A
CF_B
3posi
Assign A
CH1- 4
Assign B
CH1- 4
BPM detect [CF_A]
*5
Send Return [CF_A]
*4
CROSS Fader
BEAT EFFECTS [CF_A(post)]
*2, 3
BPM detect [CF_B]
*5
Send Return [CF_B]
*4
Cross Fader Curve
3posi
BEAT EFFECTS [CF_B(post)]
*2, 3
MIC Monitor SW
MIC Data2
Booth Level
Booth Out
CH x MIX Data
Rec Out
Master Level Meter
Master Level
Master Out 1
Master Out 2
Digital Level
Digital Out
BPM detect [Master]
*5
BEAT EFFECTS [Master]
Send Return [Master]
*2, 4
Master Mono<=> Stereo
Master Balance
Talk Over
Talk Over On/Off
Talk Over Level
MIC Data2
Master CUE
CH x CUE
EFFECT CUE
Mix/Remix CUE
Link/Live Sampler CUE
H.P. MIX
H.P. Level
H.P. Out
Master Data
Rec Level
Mic SW
MIC Data1
Off
MIC Data2
On
Talk Over
Live Sampler Source Select
Link Out
- Live Sampler
ix processing
Remix CUE
Remix On/Off
Remix Effect CH
CH1
CH2
CH3
CH4
[H.P. MIX]
CHx CUE
Effect CUE
CUE Balance
L
R
Mono Split
Stereo
H.P.Level
H.P. Out Lch
Master CUE
Master Balance
L
R
Mono Split
Stereo
H.P.Level
H.P. Out Rch
cessing
Mix CUE
Assign X
CH1
CH2
CH3
CH4
THRU
Mix On/Off
Assign Y
CH1
CH2
CH3
CH4
THRU
Mix On/Off

channels 1 to 4.
ing selected with effect channel select switch.
is set to either before or after the fader, depending on the effects
the channel set with the effect channel select switch is
nnel selected with the effect channel select switch.

4.4 POWER BLOCK DIAGRAM

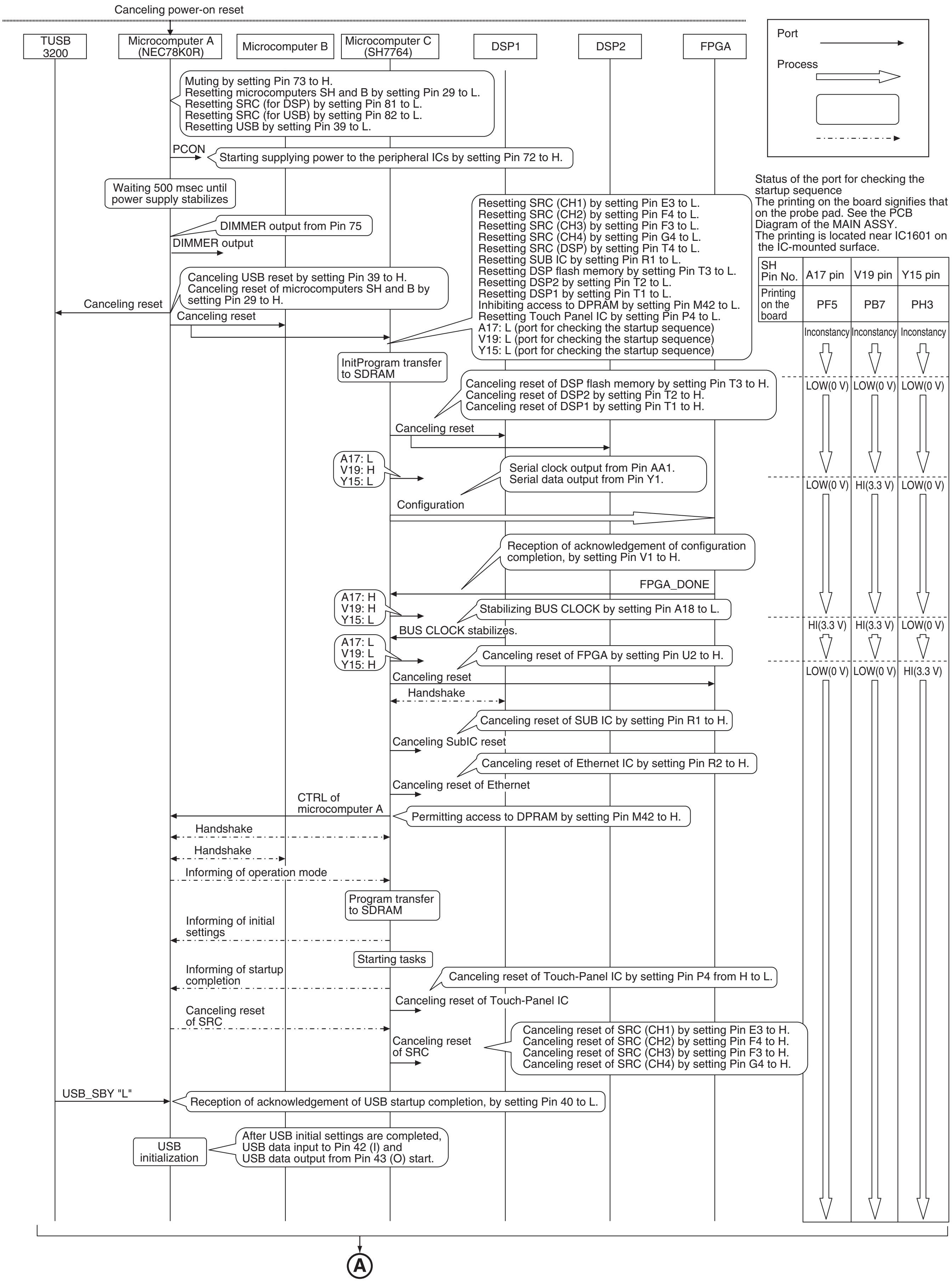


N PNLE ASSY
R PNCE ASSY
V+5D
GNDD
V+3R3REF_B
GNDREF_B
V+3R3REF_A
GNDREF_A
O CFD1 ASSY
V+3R3REF2
GNDREF2
P CFD2 ASSY
V+3R3REF2
GNDREF2
Q CRFD ASSY
V+3R3REF2
GNDREF2
X TPLE ASSY
V+12E
GNDD
W TPRI ASSY
GNDD
GNDREF B
V+3R3REF B
V+3R3REF A
GNDD
GNDREF A
S PNRI ASSY
V+3R3REF A
GNDREF A
V+3R3REF A
GNDREF A
T CFD3 ASSY
U CFD4 ASSY
H PCIF ASSY
V+1R8_ETHT
Q2003
V+3R3D_PSB
V+1R5D_PSB
Q2004
V+3R3D_PSB
V+3R2D_REG
IC2019
V+5D
V+5D
GNDD
V+3R3D
B MCJK ASSY
GNDA
A A
V+3R3D
V+5D
GNDD
V+5D
GNDD
V+3R3D
V+3R3REF
GNDREF
V TFTB ASSY
V+3R3D
GNDD
V+12D
GNDD_BLP
V+3R3D
GNDD
V+3R3D
GNDD
ANODE
CATHODE
TOUCH PANEL
BACKLIGHT
LCD
I MAIN ASSY
V
V+2R5D
IC1002
V+3R3D
V+3R3E
IC1001
V+12E
V+1R2D
IC1005
V+12D
V+3R3D
IC1003
V+12D
V+5D
IC1004
V+12D
GNDREF
V+3R3REF
GNDD
V+3R3D
V+5D
V+12E


B
MCJK ASSY
C
TRIM1 ASSY
D
TRIM2 ASSY
E
TRIM3 ASSY
F
TRIM4 ASSY
GNDA
GNDA
V+3R3REF
GNDREF
GNDA
V+3R3REF
GNDREF
GNDA
V+3R3REF
GNDREF
GNDA
V+3R3REF
GNDREF
GNDD
V+5D
V+3R3D
Z
ACSW ASSY
A AIN1 ASSY
V+5D
GNDD
V+3R3REF
GNDREF
V+3R3D
G
AIN2 ASSY
M
AOUT ASSY
LIVE
NEUTRAL
V+3R3REF
GNDREF
GNDA
V+5A
V+15A
V-15A
V+12A
GNDA
V+5A
V+15A
V-15A
V+12A
GNDA
V+5A
V+15A
V-15A
V+12A
+12VMaster
-15VA
GNDA
+5VA
+15VA
V+7E_UN
GNDD
V+12V
V+12E
Y
POWER SUPPLY ASSY
J HAMP ASSY
V+7E_UN
GNDD
V+12V
V+12E
V+12A
IC103
+15VA
GNDHP
GNDHP
-15VA
-9VA
+15VA
GNDHP
+9VA
L
HPJK ASSY
+9VA
IC105
+15VA
-9VA
IC104
-15VA
K HREG ASSY

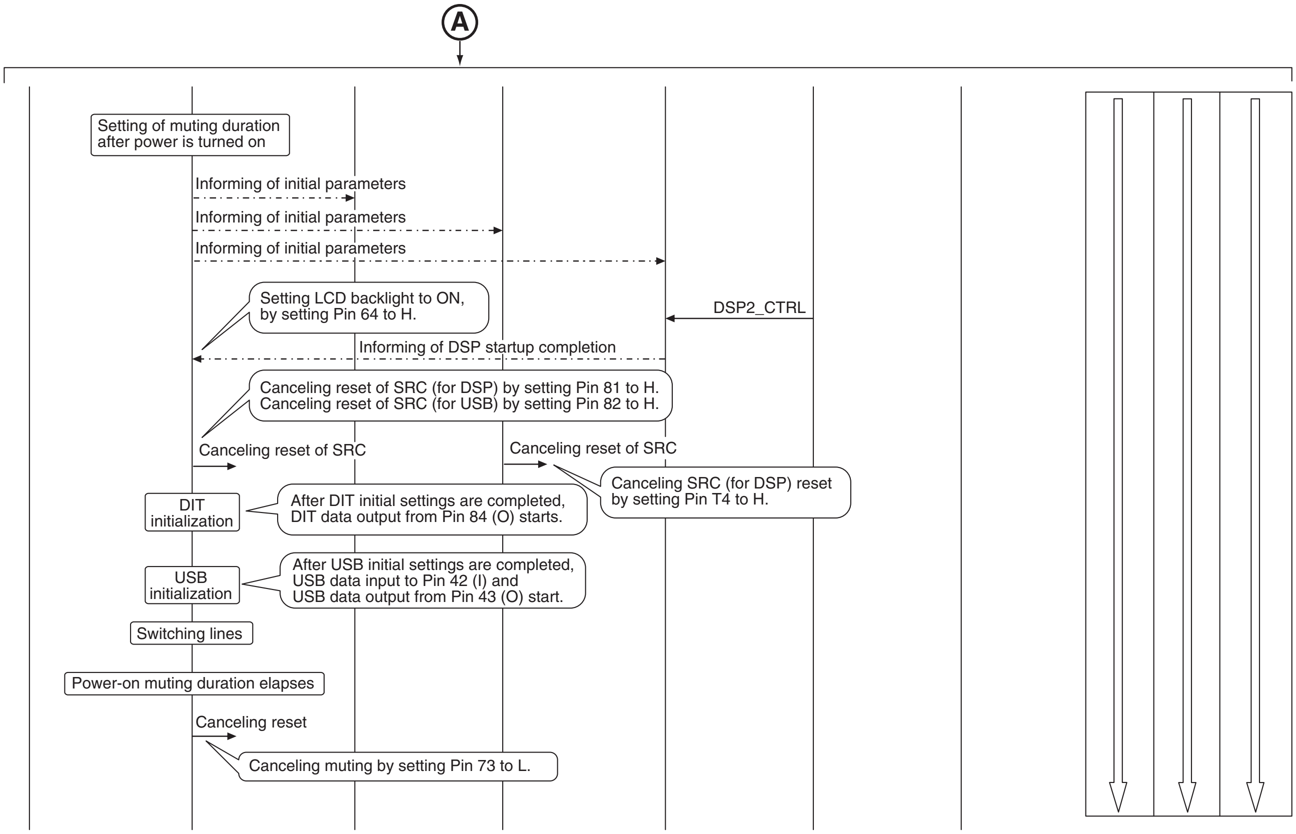
5. DIAGNOSIS

5.1 POWER ON SEQUENCE


Canceling power-on reset
TUSB 3200
Microcomputer A (NEC78K0R)
Microcomputer B
Microcomputer C (SH7764)
DSP1
DSP2
FPGA
Port
Process
Muting by setting Pin 73 to H.
Resetting microcomputers SH and B by setting Pin 29 to L.
Resetting SRC (for DSP) by setting Pin 81 to L.
Resetting SRC (for USB) by setting Pin 82 to L.
Resetting USB by setting Pin 39 to L.
PCON
Starting supplying power to the peripheral ICs by setting Pin 72 to H.
Waiting 500 msec until power supply stabilizes
DIMMER output from Pin 75
DIMMER output
Canceling USB reset by setting Pin 39 to H.
Canceling reset of microcomputers SH and B by setting Pin 29 to H.
Canceling reset
Canceling reset
Resetting SRC (CH1) by setting Pin E3 to L.
Resetting SRC (CH2) by setting Pin F4 to L.
Resetting SRC (CH3) by setting Pin F3 to L.
Resetting SRC (CH4) by setting Pin G4 to L.
Resetting SRC (DSP) by setting Pin T4 to L.
Resetting SUB IC by setting Pin R1 to L.
Resetting DSP flash memory by setting Pin T3 to L.
Resetting DSP2 by setting Pin T2 to L.
Resetting DSP1 by setting Pin T1 to L.
Inhibiting access to DPRAM by setting Pin M42 to L.
Resetting Touch Panel IC by setting Pin P4 to L.
A17: L (port for checking the startup sequence)
V19: L (port for checking the startup sequence)
Y15: L (port for checking the startup sequence)
InitProgram transfer to SDRAM
Canceling reset of DSP flash memory by setting Pin T3 to H.
Canceling reset of DSP2 by setting Pin T2 to H.
Canceling reset of DSP1 by setting Pin T1 to H.
Canceling reset
A17: L
V19: H
Y15: L
Serial clock output from Pin AA1.
Serial data output from Pin Y1.
Configuration
Reception of acknowledgement of configuration completion, by setting Pin V1 to H.
FPGA_DONE
A17: H
V19: H
Y15: L
Stabilizing BUS CLOCK by setting Pin A18 to L.
BUS CLOCK stabilizes.
A17: L
V19: L
Y15: H
Canceling reset of FPGA by setting Pin U2 to H.
Canceling reset
Handshake
Canceling reset of SUB IC by setting Pin R1 to H.
Canceling SubIC reset
Canceling reset of Ethernet IC by setting Pin R2 to H.
Canceling reset of Ethernet
CTRL of microcomputer A
Permitting access to DPRAM by setting Pin M42 to H.
Handshake
Handshake
Informing of operation mode
Program transfer to SDRAM
Informing of initial settings
Starting tasks
Informing of startup completion
Canceling reset of Touch-Panel IC by setting Pin P4 from H to L.
Canceling reset of Touch-Panel IC
Canceling reset of SRC
Canceling reset of SRC
Canceling reset of SRC (CH1) by setting Pin E3 to H.
Canceling reset of SRC (CH2) by setting Pin F4 to H.
Canceling reset of SRC (CH3) by setting Pin F3 to H.
Canceling reset of SRC (CH4) by setting Pin G4 to H.
USB_SBY "L"
Reception of acknowledgement of USB startup completion, by setting Pin 40 to L.
USB initialization
After USB initial settings are completed, USB data input to Pin 42 (I) and USB data output from Pin 43 (O) start.
Inconstancy
LOW(0 V)
HI(3.3 V)
A

Status of the port for checking the startup sequence
The printing on the board signifies that on the probe pad. See the PCB Diagram of the MAIN ASSY.
The printing is located near IC1601 on the IC-mounted surface.

SH Pin No.	A17 pin	V19 pin	Y15 pin
Printing on the board	PF5	PB7	PH3
	Inconstancy	Inconstancy	Inconstancy
	LOW(0 V)	LOW(0 V)	LOW(0 V)
	LOW(0 V)	HI(3.3 V)	LOW(0 V)
	HI(3.3 V)	HI(3.3 V)	LOW(0 V)
	LOW(0 V)	LOW(0 V)	HI(3.3 V)


A
Setting of muting duration after power is turned on
Informing of initial parameters
Informing of initial parameters
Informing of initial parameters
DSP2_CTRL
Setting LCD backlight to ON, by setting Pin 64 to H.
Informing of DSP startup completion
Canceling reset of SRC (for DSP) by setting Pin 81 to H.
Canceling reset of SRC (for USB) by setting Pin 82 to H.
Canceling reset of SRC
Canceling reset of SRC
Canceling SRC (for DSP) reset by setting Pin T4 to H.
DIT initialization
After DIT initial settings are completed, DIT data output from Pin 84 (O) starts.
USB initialization
After USB initial settings are completed, USB data input to Pin 42 (I) and USB data output from Pin 43 (O) start.
Switching lines
Power-on muting duration elapses
Canceling reset
Canceling muting by setting Pin 73 to L.

5.2 ERROR INDICATIONS

Indications of Errors during Startup

If an error is detected during the boot sequence, the following requirements must be met:

- Master muting should not be canceled.
- An error status should be notified to the user.

The indication method differs, depending on where an error was generated. See the table below.

Note: If there are several errors whose error codes are to be indicated on the LCD display, those error codes are added.
Example: USB + DIT = 0x0004 + 0x0008 = 0x000C

Error (in the order of detection)	Detection Microcomputer	Indication	Cause	Diagnostics Point
DSP	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
FPGA	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
Microcomputer A	A	Error code 0x0001 is displayed on the LCD display or Update mode is started.	A state of the ROM is not correct.	• Check a voltage of V+3R3E. • Check POWER_RESET is Hi level.
SH	A	Repeated 3-time flashing of the UTILITY LED (lit and unlit for 250 ms each 3 times then unlit for 1 s)	• SH does not start. • DSP does not start. • Configuration of the FPGA is not completed.	• Check SH_RESET is Hi level. • Check DSP_RESET is Hi level. • Check 24 MHz clock is oscillated. → MAIN Assy No. 30 • Check FPGA_DONE is Hi level. → MAIN Assy No. 37
Microcomputer B	A	Error code 0x0002 is displayed on the LCD display.	The communication between microcomputer A and the microcomputer B is not possible.	• Check uCOMB_RESET is Hi level. • Check uCOMB_SCK. → MAIN Assy No. 4 • Check uCOMB_TXD.→ MAIN Assy No. 5 • Check uCOMB_RXD.→ MAIN Assy No. 6 • Check uCOMB_CTRL.→ MAIN Assy No. 7
USB	A	Error code 0x0004 is displayed on the LCD display.	• Does not start. • Communication is not possible.	• Check voltages of V+3R3D_USB and V+5D_USB. • Check USB_RESET is Hi level. → PCIF Assy No. 3 • Check USB_CS, SCK, SDI and SDO.
DIT	A	Error code 0x0008 is displayed on the LCD display.	Communication is not possible.	• Check SUBIC_RESET is Hi level. • Check DITD_CS, SCK, TXD and RXD.
LINK(CH1)	SH	Error code 0x0080 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH2)	SH	Error code 0x0040 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH3)	SH	Error code 0x0020 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(CH4)	SH	Error code 0x0010 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
LINK(PC1)	SH	Error code 0x0200 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11

* No. of the PCB Assy are referred to section "10.30 WAVEFORMS."

Error (in the order of detection)	**Detection Microcomputer**	**Indication**	**Cause**	**Diagnostics Point**
LINK(PC2)	SH	Error code 0x0100 is displayed on the LCD display.	Software reset completion is time-out	• Check ETHER_RST is Hi level. • Check voltages of V+3R3D_PSB, V+1R8_ETHT, V+1R5D_PSB, V+5D and V+3R2D_REG. • Check 25 MHz clock is oscillated. → PCIF Assy No. 10, 11
Touch panel	SH	Error code 0x0800 is displayed on the LCD display.	Communication is not possible.	• Check a voltage of V+3R3D adjacent to the touch panel. • Check TP_RESET. → MAIN Assy No. 42 • Check TP_SCL. → MAIN Assy No. 43 • Check TP_SDA. → MAIN Assy No. 44 • Check TP_INT. → MAIN Assy No. 45

* No. of the PCB Assy are referred to section "10.30 WAVEFORMS."

Indications of Errors during Power Failure

The UTILITY LED flashes (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).
Refer to the "5.3 VOLTAGE MONITORING CIRCUIT".

Indications of Errors during Updating

Indication	Microcomputer in failure	Correspondence
Update Error E001	Microcomputer A	Please update it again.
Update Error E002	Microcomputer B	Please update it again.
Update Error E003	SH	Please update it again.
Update Error E004	DSP1 program	Please update it again.
Update Error E005	DSP2 program	Please update it again.
Update Error E006	DSP data	Please update it again.
Update Error E007	USB	Please update it again.
Update Error E008	Update file error	Please update it again.
Update Error EE00 - EE64	Network error	Please update it again.

5.3 VOLTAGE MONITORING CIRCUIT

■ Voltage Monitoring

This unit monitors the voltages of the main power-supply units, using VDET signals.
The VDET signal level is middle (+1.08 V to +1.32 V) during normal operations. When the level falls outside the middle level, as shown in the table below, microcomputer A (IC1105) is notified of an error.

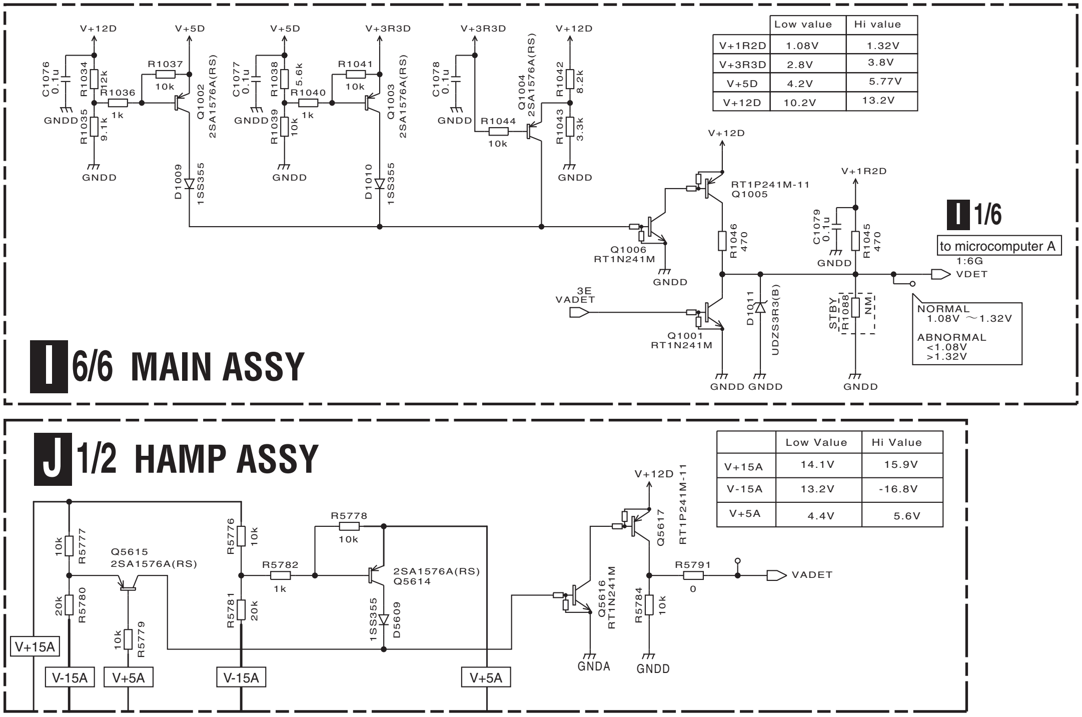
Product behavior when an error is generated

Upon reception of a VDET signal that informs of power failure, microcomputer A sets the Pcon signal to Low and stops the switching-system output from SW power. Microcomputer A instructs that the STANDBY LED signal be sent so that the UTILITY button will flash to notify the user of a power failure.
Flashing intervals: 250 ms (lit for 125 ms/unlit for 125 ms)
As the switching-system output is stopped, the indications other than the UTILITY button are unlit and all the switches and VRs are disabled.

Diagnostic procedure

If any voltage is abnormal, that error will be detected by the voltage monitoring program after it is started after a usual start-up of the unit. Then the SW power output will be stopped. For this reason, power will be supplied for about 10 sec after start-up. Identify which power-supply IC is defective by turning the unit OFF then back ON while monitoring each voltage on an oscilloscope. Check the value of each voltage immediately before stopping power supply.
Note: Each time before turning the unit ON, make sure that each power-supply IC is not short-circuited to GND.

Circuit diagram of the voltage monitoring section


V+12D
V+5D
V+5D
V+3R3D
V+3R3D
V+12D
C1076
0.1u
R1034
12k
R1036
1k
R1037
10k
Q1002
2SA1576A(RS)
R1035
9.1k
GNDD
D1009
1SS355
C1077
0.1u
R1038
5.6k
R1040
1k
R1041
10k
Q1003
2SA1576A(RS)
R1039
10k
D1010
1SS355
C1078
0.1u
R1044
10k
Q1004
2SA1576A(RS)
R1042
8.2k
R1043
3.3k
RT1P241M-11
Q1005
Q1006
RT1N241M
R1046
470
V+1R2D
C1079
0.1u
R1045
470
3E
VADET
Q1001
RT1N241M
D1011
UDZS3R3(B)
STBY
R1088
NM
I 1/6
to microcomputer A
1:6G
VDET
NORMAL
1.08V ~1.32V
ABNORMAL
<1.08V
>1.32V
I 6/6 MAIN ASSY
J 1/2 HAMP ASSY
R5777
10k
R5780
20k
Q5615
2SA1576A(RS)
R5779
10k
R5776
10k
R5781
20k
R5782
1k
R5778
10k
2SA1576A(RS)
Q5614
1SS355
D5609
Q5616
RT1N241M
Q5617
RT1P241M-11
R5784
10k
R5791
0
VADET
GNDA
V+15A
V-15A
V+5A
V-15A
V+5A

	Low value	Hi value
V+1R2D	1.08V	1.32V
V+3R3D	2.8V	3.8V
V+5D	4.2V	5.77V
V+12D	10.2V	13.2V

	Low Value	Hi Value
V+15A	14.1V	15.9V
V-15A	13.2V	-16.8V
V+5A	4.4V	5.6V

Table: List of voltage values for power monitoring and statuses of the voltage comparator transistors

State	Power	Voltage	Statuses of voltage comparator transistors										VDET Voltage
			Q1002	Q1003	Q1004	Q1006	Q1005	Q5614	Q5615	Q5616	Q5617	Q1001	
In normal operation			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Mid
When an error is generated	V+12D	< 10.2V	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	Hi
		> 13.2V	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	Hi
	V+5D	< 4.2V	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	Hi
		> 5.77V	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	HI
	V+3R3D	< 2.8V	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	HI
		> 3.8V	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	HI
	V+1R2D	< 1.08V	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	< 1.08V
		> 1.32V	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	> 1.32V
	V+15A	< 14.1V	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	Low
		> 15.9V	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	Low
	V-15A	< -16.8V	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	Low
		> -13.2V	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	Low
	V+5A	< 4.4V	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	Low
		> 5.6V	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	Low

5.4 CONNECTION CHECK WITH EACH INTERFACE

■ USB

[1. USB B connector]

Whether communication between the PC connected via the USB B connector and this unit is properly performed or not can be confirmed on the PC.
Note: Installation of the driver software is necessary.

■ Use Device Manager for checking.

If the PC and this unit are properly connected, the components of this unit are added in Device Manager (under Hardware) as devices.
If all components are properly displayed, the PC and this unit are properly communicating via the USB connector.

In a case of Windows XP:
Start, Control Panel, System, Hardware, then Device Manager
Devices to be added:
- Universal Serial Bus controllers
  USB Composite Device
- Under “Sound, video and game controllers”
  PIONEER DJM-2000
  USB Audio Device

A communication check may be easily performed if connection is made with Device Manager displayed on the PC screen.

■ LAN

[2. LINK]

You can check from this unit if the mixer can properly communicate via LAN.
Note: Use a Category 5 cable or a cable with higher specifications for connection.
Either a straight or cross LAN cable can be used when the unit is directly connected with the PC, but when the unit is connected with the PC via a hub, be sure to use a straight cable.

■ Check the LAN conditions, using Test mode of this unit:

① Start up the unit in Test mode.
② Open Page01: Device Test.
③ The IP Address and Subnet Mask are indicated at the bottom of the screen.
④ Check if the LAN is properly connected.

When the LAN is properly connected:
IP Address : xxx.xxx.xxx.xxx
Subnet Mask : yyy.yyy.yyy.yyy
x and y: Any numeric value
Four blocks of numerical string delimited by dots

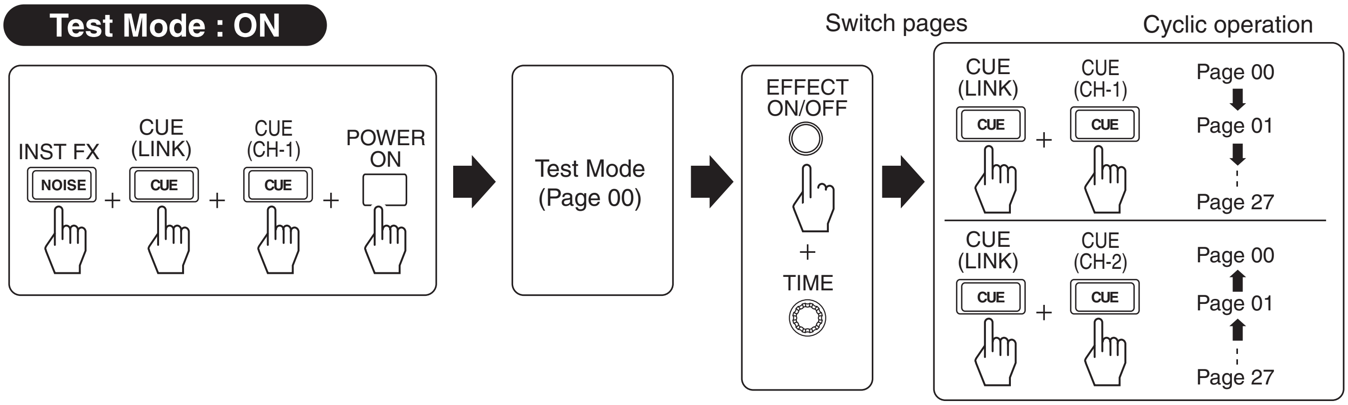
When the LAN is not properly connected:
IP Address : can not get IP addr
Subnet Mask :

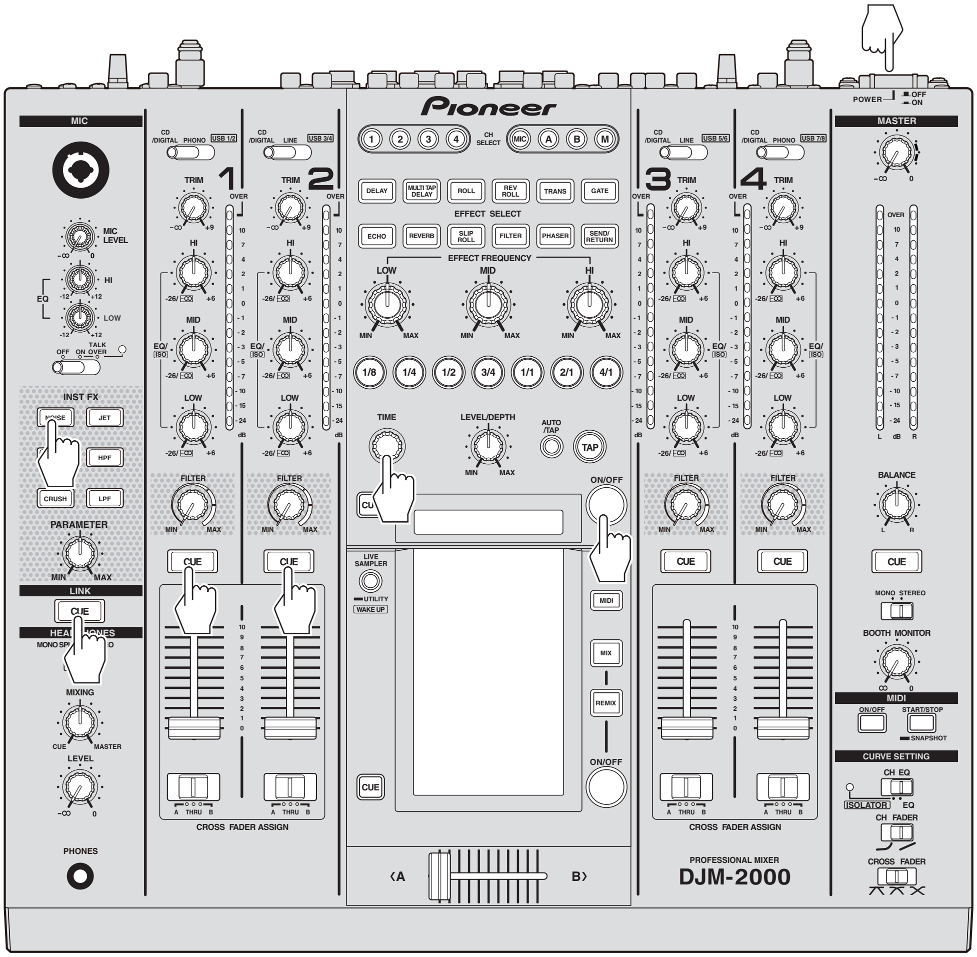
6. SERVICE MODE

6.1 TEST MODE

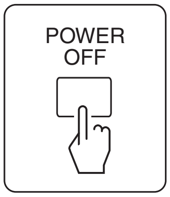
1. How to Enter and Cancel the Test Mode

Test Mode : ON


INST FX
NOISE
CUE (LINK)
CUE
CUE (CH-1)
CUE
POWER ON
Test Mode (Page 00)
Switch pages
EFFECT ON/OFF
TIME
Cyclic operation
CUE (LINK)
CUE
CUE (CH-1)
CUE
Page 00
Page 01
Page 27
CUE (LINK)
CUE
CUE (CH-2)
CUE
Page 00
Page 01
Page 27


POWER
OFF
ON
Pioneer
MIC
MIC LEVEL
EQ
HI
LOW
TALK OVER
INST FX
NOISE
JET
HPF
CRUSH
LPF
PARAMETER
LINK
CUE
HEADPHONES
MIXING
LEVEL
PHONES
TRIM
HI
MID
LOW
FILTER
CUE
CROSS FADER ASSIGN
CH SELECT
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
GATE
EFFECT SELECT
ECHO
REVERB
SLIP ROLL
FILTER
PHASER
SEND/RETURN
EFFECT FREQUENCY
1/8
1/4
1/2
3/4
1/1
2/1
4/1
TIME
LEVEL/DEPTH
AUTO /TAP
TAP
ON/OFF
LIVE SAMPLER
UTILITY
WAKE UP
MIDI
MIX
REMIX
MASTER
BALANCE
MONO STEREO
BOOTH MONITOR
MIDI
ON/OFF
START/STOP
SNAPSHOT
CURVE SETTING
CH EQ
ISOLATOR
CH FADER
CROSS FADER
PROFESSIONAL MIXER
DJM-2000

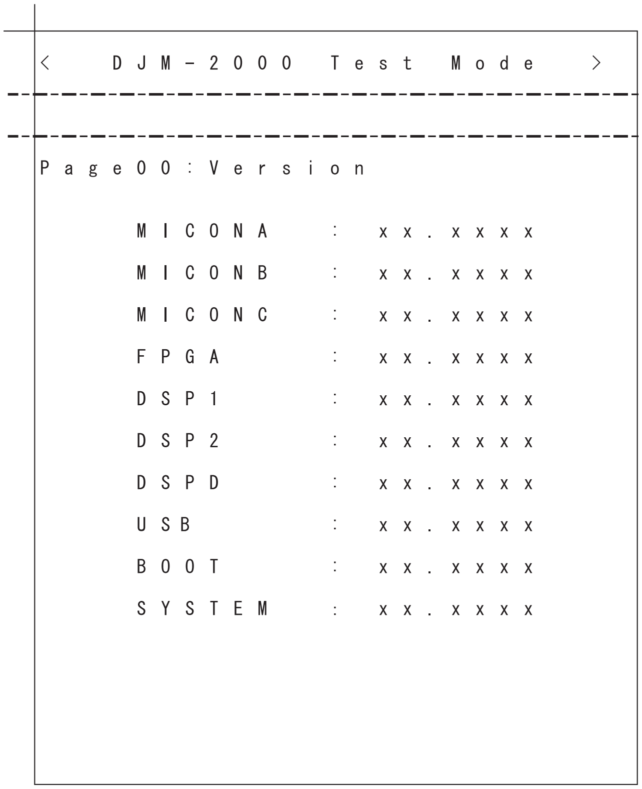
Test Mode: CANCEL



2. Types of Confirmation Mode

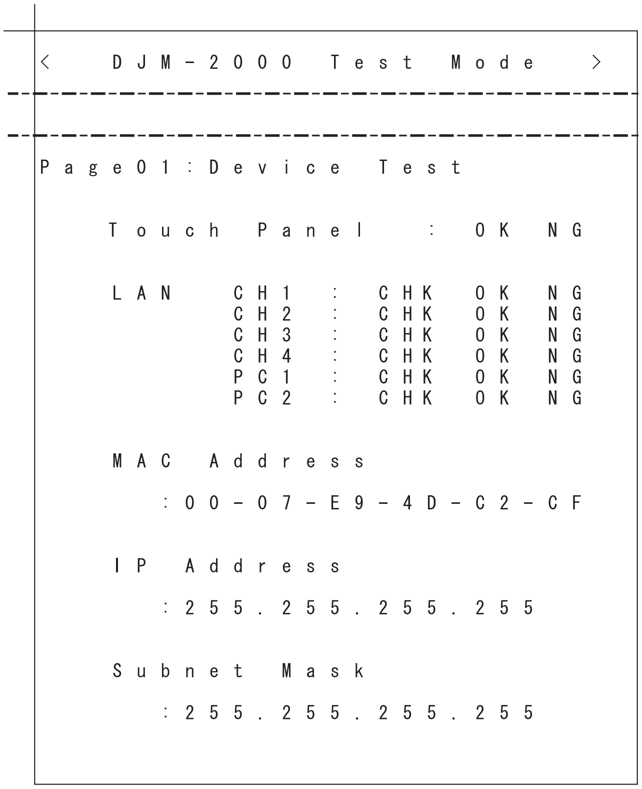
Page	Item Name	Mode Contents	Purpose
00	VERSION	Mode for displaying the version of the firmware.	Version confirmation of the firmware.
01	Device Test	Mode for displaying the device information.	Confirmation of the LAN connection state.
02	LED ALL ON	Mode for lighting all the LEDs and FL segments.	Operation check of the LED and FL.
03	LED ALL OFF	Mode for extinguishing all the LEDs and FL segments.	
04	KEY TEST(1)	Mode for indicating a pressed key.	Operation check of each key.
05	KEY TEST(2)	Mode for indicating a pressed key.	
06	KEY TEST(3)	Mode for indicating a pressed key.	
07	SWITCH TEST(1)	Mode for indicating the setting position of a switch.	Operation check of each switch.
08	SWITCH TEST(2)	Mode for indicating the setting position of a switch.	
09	VOLUME TEST (1)	Mode for indicating the level of a volume control.	Operation check of each volume.
10	VOLUME TEST (2)	Mode for indicating the level of a volume control.	
11	VOLUME TEST (3)	Mode for indicating the level of a volume control.	
12	VOLUME TEST (4)	Mode for indicating the level of a volume control.	
13	METER TEST	Mode for confirming lighting of the meter LEDs, one LED at a time.	Operation check of meter LED.
14	TOUCH PANEL TEST(1)	Calibration.	Calibration adjustment of the touch panel.
15	TOUCH PANEL TEST(2)	Mode for displaying the coordinate positions for the touch panel.	Operation check of the touch panel.
16	MAIN PANEL TEST	Confirmation of the display colors for the main panel (color bars).	Operation check of the LCD.
17	SUB PANEL TEST	Confirmation of the display colors for the subpanel (color bars).	
18	MAIN PANEL TEST	Confirmation of defective pixels (white) on the main panel.	
19	SUB PANEL TEST	Confirmation of defective pixels (white) on the subpanel.	
20	MAIN PANEL TEST	Confirmation of defective pixels (black) on the main panel.	
21	SUB PANEL TEST	Confirmation of defective pixels (black) on the subpanel.	
22	MAIN PANEL TEST	Confirmation of defective pixels (red) on the main panel.	
23	SUB PANEL TEST	Confirmation of defective pixels (red) on the subpanel.	
24	MAIN PANEL TEST	Confirmation of defective pixels (green) on the main panel.	
25	SUB PANEL TEST	Confirmation of defective pixels (green) on the subpanel.	
26	MAIN PANEL TEST	Confirmation of defective pixels (blue) on the main panel.	
27	SUB PANEL TEST	Confirmation of defective pixels (blue) on the subpanel.	

Page 00 : Version



```
<    DJM-2000 Test Mode    >
-----------------------------------------
-----------------------------------------
Page00:Version

        MICONA    :  xx.xxxx
        MICONB    :  xx.xxxx
        MICONC    :  xx.xxxx
        FPGA      :  xx.xxxx
        DSP1      :  xx.xxxx
        DSP2      :  xx.xxxx
        DSPD      :  xx.xxxx
        USB       :  xx.xxxx
        BOOT      :  xx.xxxx
        SYSTEM    :  xx.xxxx
```

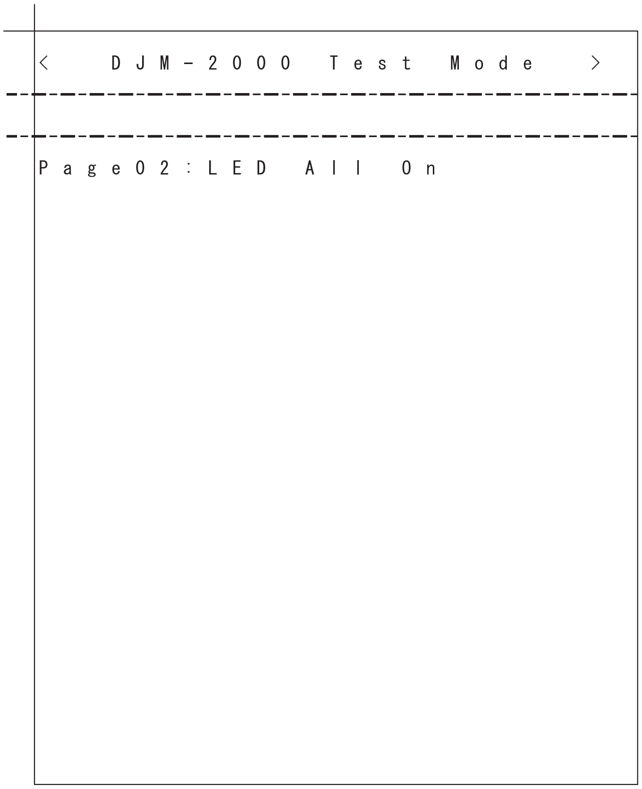
Page 01 : Device Test



```
<    DJM-2000 Test Mode    >
-----------------------------------------
-----------------------------------------
Page01:Device Test

     Touch Panel   :  OK  NG

     LAN   CH1  :  CHK  OK  NG
           CH2  :  CHK  OK  NG
           CH3  :  CHK  OK  NG
           CH4  :  CHK  OK  NG
           PC1  :  CHK  OK  NG
           PC2  :  CHK  OK  NG

     MAC Address

         :00-07-E9-4D-C2-CF

     IP Address

         :255.255.255.255

     Subnet Mask

         :255.255.255.255
```

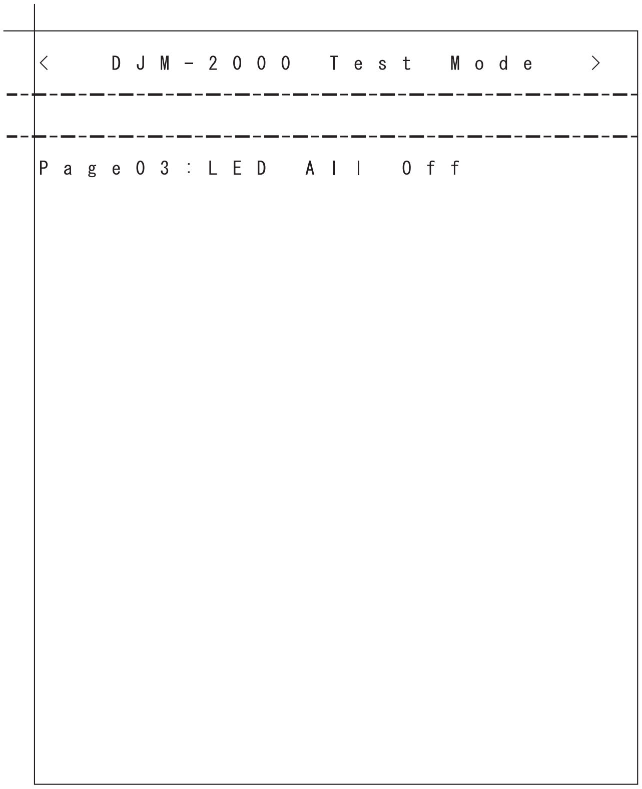
You can check the status of a device.
Touch Panel: Communication status between the microcomputer and the Touch Panel IC is displayed:
OK: Communication established, NG: Communication not established
LAN: The communication status between each LAN port and the connected device is displayed. For details on usage, see “5.4 CONNECTION CHECK WITH EACH INTERFACE.”

Page 02 : LED All On



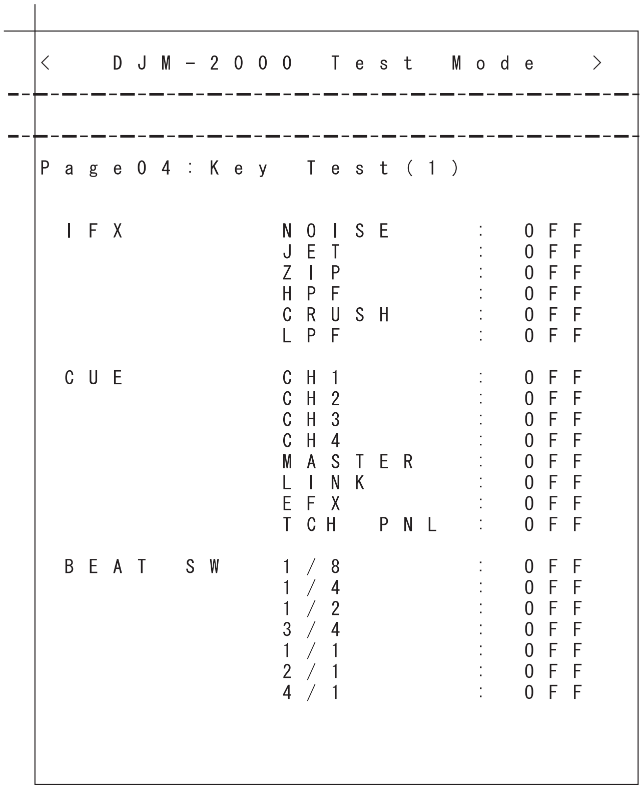
```
<    DJM-2000 Test Mode    >
-----------------------------------------
-----------------------------------------
Page02:LED All On
```

Page 03 : LED All Off



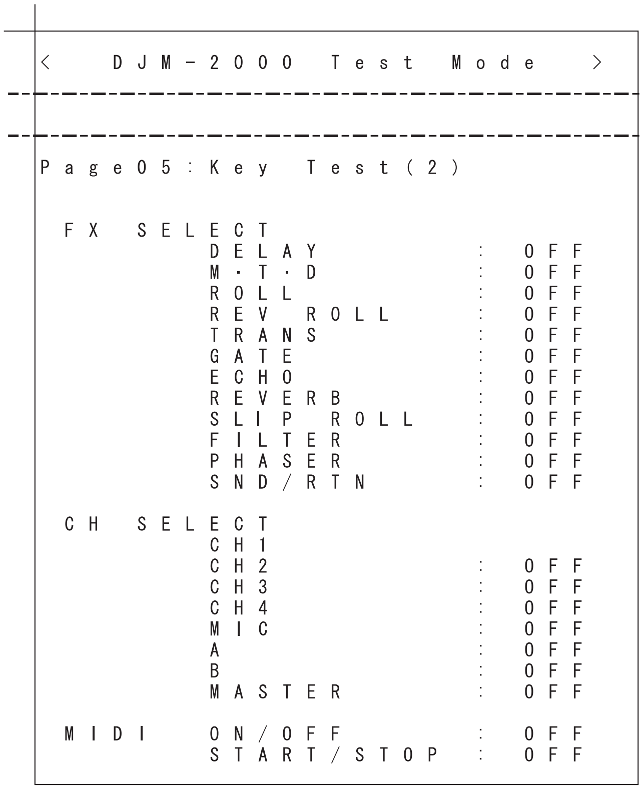
```
<    DJM-2000 Test Mode    >
-----------------------------------------
-----------------------------------------
Page03:LED All Off
```

Page 04 : Key Test (1)



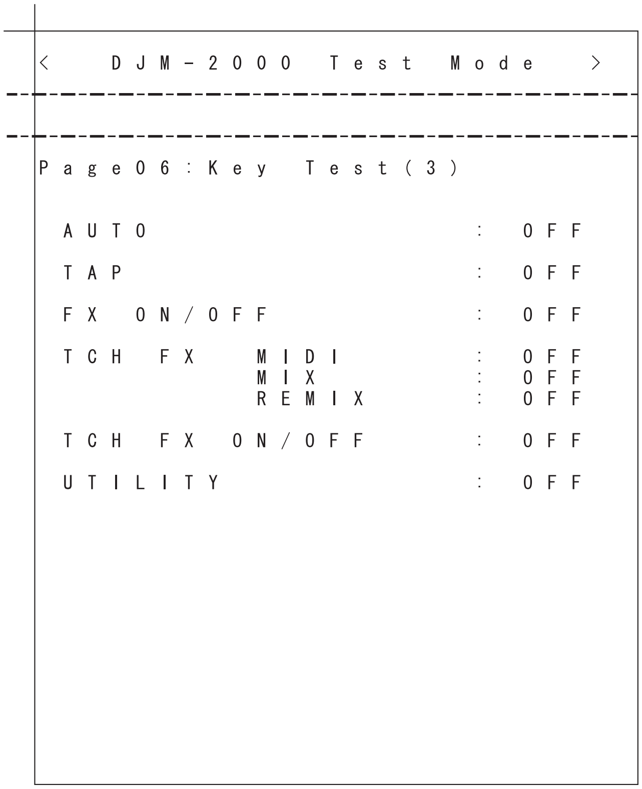
```
<   DJM-2000  Test  Mode   >
--------------------------------------------
--------------------------------------------
Page04:Key  Test(1)

  IFX          NOISE      :   OFF
               JET        :   OFF
               ZIP        :   OFF
               HPF        :   OFF
               CRUSH      :   OFF
               LPF        :   OFF

  CUE          CH1        :   OFF
               CH2        :   OFF
               CH3        :   OFF
               CH4        :   OFF
               MASTER     :   OFF
               LINK       :   OFF
               EFX        :   OFF
               TCH  PNL   :   OFF

  BEAT  SW     1/8        :   OFF
               1/4        :   OFF
               1/2        :   OFF
               3/4        :   OFF
               1/1        :   OFF
               2/1        :   OFF
               4/1        :   OFF
```

Page 05 : Key Test (2)



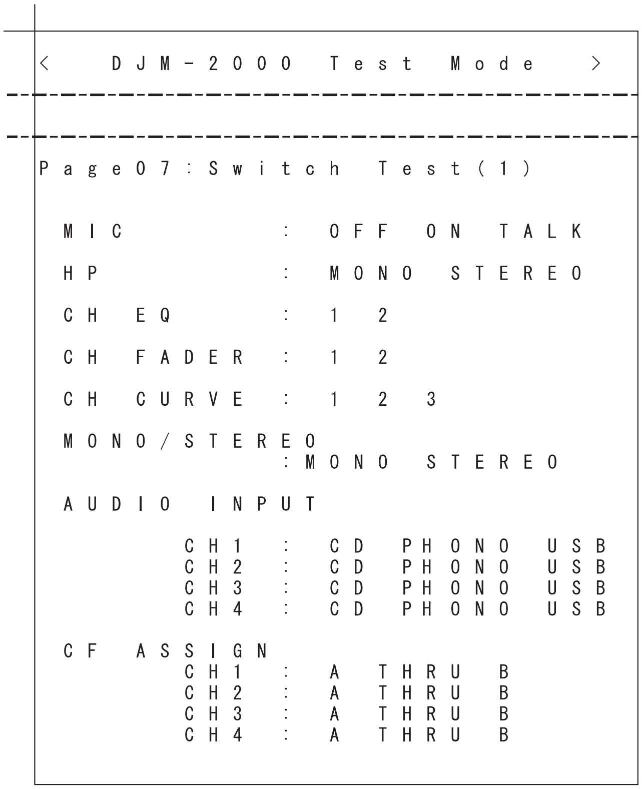
```
<   DJM-2000  Test  Mode   >
--------------------------------------------
--------------------------------------------
Page05:Key  Test(2)

  FX  SELECT
          DELAY           :   OFF
          M·T·D           :   OFF
          ROLL            :   OFF
          REV  ROLL       :   OFF
          TRANS           :   OFF
          GATE            :   OFF
          ECHO            :   OFF
          REVERB          :   OFF
          SLIP  ROLL      :   OFF
          FILTER          :   OFF
          PHASER          :   OFF
          SND/RTN         :   OFF

  CH  SELECT
          CH1
          CH2             :   OFF
          CH3             :   OFF
          CH4             :   OFF
          MIC             :   OFF
          A               :   OFF
          B               :   OFF
          MASTER          :   OFF

  MIDI    ON/OFF          :   OFF
          START/STOP      :   OFF
```

Page 06 : Key Test (3)



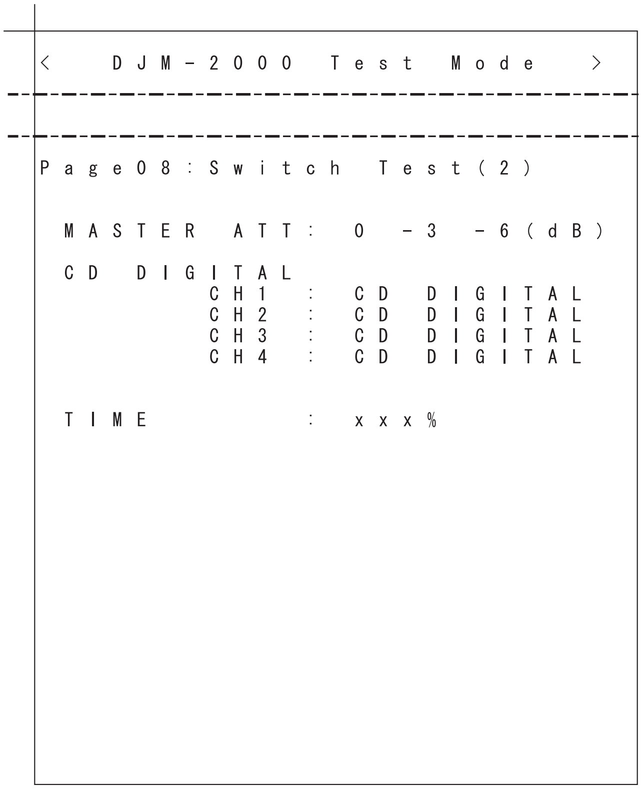
```
<   DJM-2000  Test  Mode   >
--------------------------------------------
--------------------------------------------
Page06:Key  Test(3)

  AUTO                       :   OFF

  TAP                        :   OFF

  FX  ON/OFF                 :   OFF

  TCH  FX    MIDI            :   OFF
             MIX             :   OFF
             REMIX           :   OFF

  TCH  FX  ON/OFF            :   OFF

  UTILITY                    :   OFF
```

Page 07 : Switch Test (1)



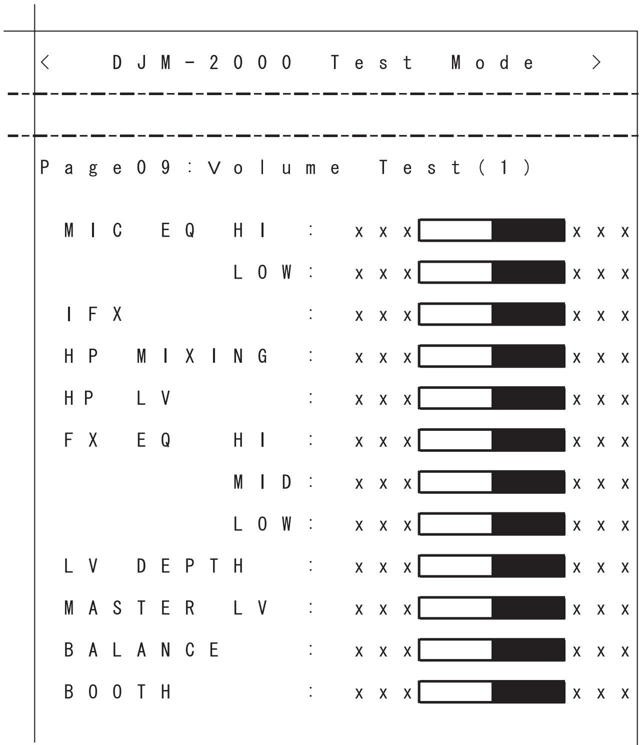
```
<   DJM-2000  Test  Mode   >
--------------------------------------------
--------------------------------------------
Page07:Switch  Test(1)

  MIC         :  OFF  ON  TALK

  HP          :  MONO  STEREO

  CH  EQ      :  1  2

  CH  FADER   :  1  2

  CH  CURVE   :  1  2  3

  MONO/STEREO
              :MONO  STEREO

  AUDIO  INPUT

       CH1    :  CD  PHONO  USB
       CH2    :  CD  PHONO  USB
       CH3    :  CD  PHONO  USB
       CH4    :  CD  PHONO  USB

  CF  ASSIGN
       CH1    :  A  THRU  B
       CH2    :  A  THRU  B
       CH3    :  A  THRU  B
       CH4    :  A  THRU  B
```

● Page 08 : Switch Test (2)



```
<    DJM-2000  Test  Mode    >
------------------------------------------
------------------------------------------
Page08:Switch  Test(2)

  MASTER  ATT:   0  -3  -6(dB)

  CD  DIGITAL
            CH1  :  CD  DIGITAL
            CH2  :  CD  DIGITAL
            CH3  :  CD  DIGITAL
            CH4  :  CD  DIGITAL

  TIME          :  xxx%
```

● Page 09 : Volume Test (1)

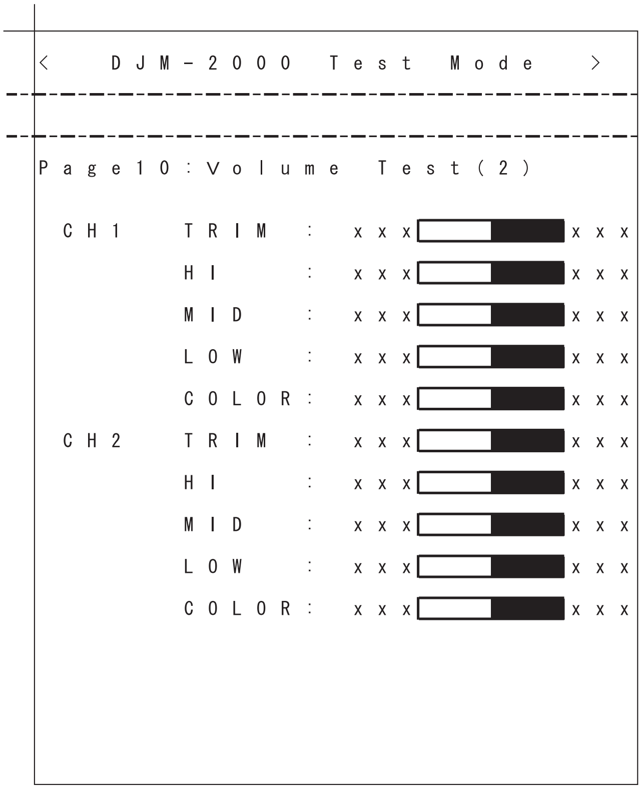


```
<    DJM-2000  Test  Mode    >
------------------------------------------
------------------------------------------
Page09:Volume  Test(1)

  MIC  EQ  HI  :  xxx▭xxx
           LOW :  xxx▭xxx
  IFX          :  xxx▭xxx
  HP  MIXING   :  xxx▭xxx
  HP  LV       :  xxx▭xxx
  FX  EQ   HI  :  xxx▭xxx
           MID :  xxx▭xxx
           LOW :  xxx▭xxx
  LV  DEPTH    :  xxx▭xxx
  MASTER  LV   :  xxx▭xxx
  BALANCE      :  xxx▭xxx
  BOOTH        :  xxx▭xxx
```

The corresponding level meters shown below will light in response to controlling the following variable registers on Pages 09–12:

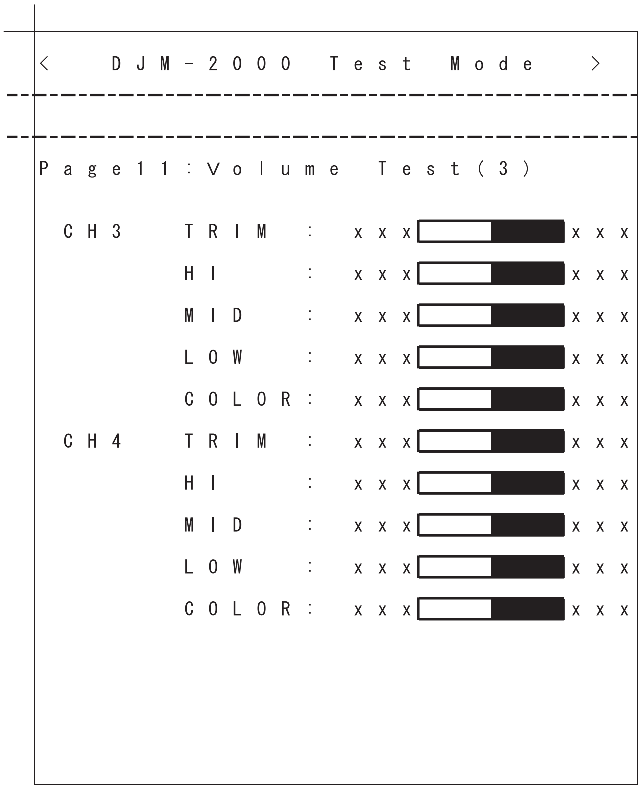
VR	Level meters
CH1 fader	CH1
CH2 fader	CH2
CH3 fader	CH3
CH4 fader	CH4
BALANCE	MASTER L
BOOTH MONITOR	MASTER R

● Page 10 : Volume Test (2)



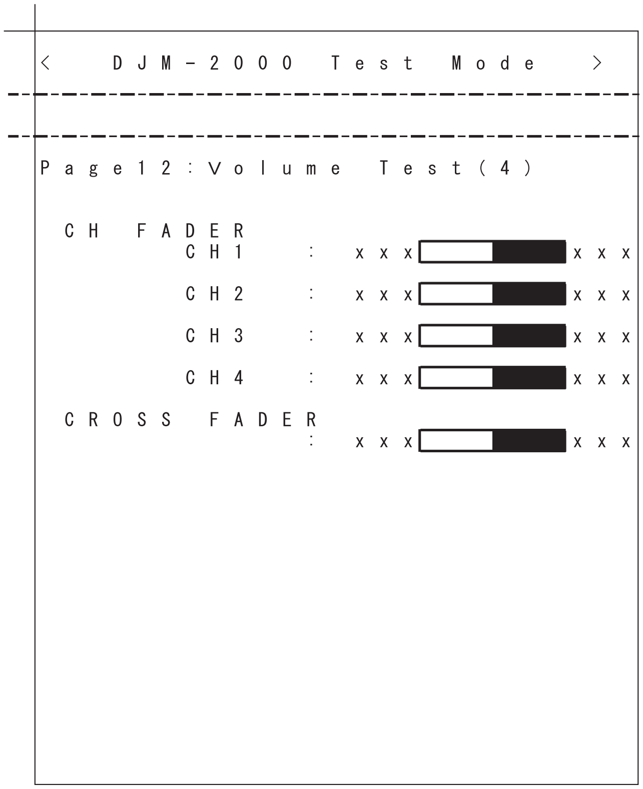
```
<    DJM-2000  Test  Mode    >
------------------------------------------
------------------------------------------
Page10:Volume  Test(2)

  CH1    TRIM  :  xxx▭xxx
         HI    :  xxx▭xxx
         MID   :  xxx▭xxx
         LOW   :  xxx▭xxx
         COLOR :  xxx▭xxx
  CH2    TRIM  :  xxx▭xxx
         HI    :  xxx▭xxx
         MID   :  xxx▭xxx
         LOW   :  xxx▭xxx
         COLOR :  xxx▭xxx
```

● Page 11 : Volume Test (3)



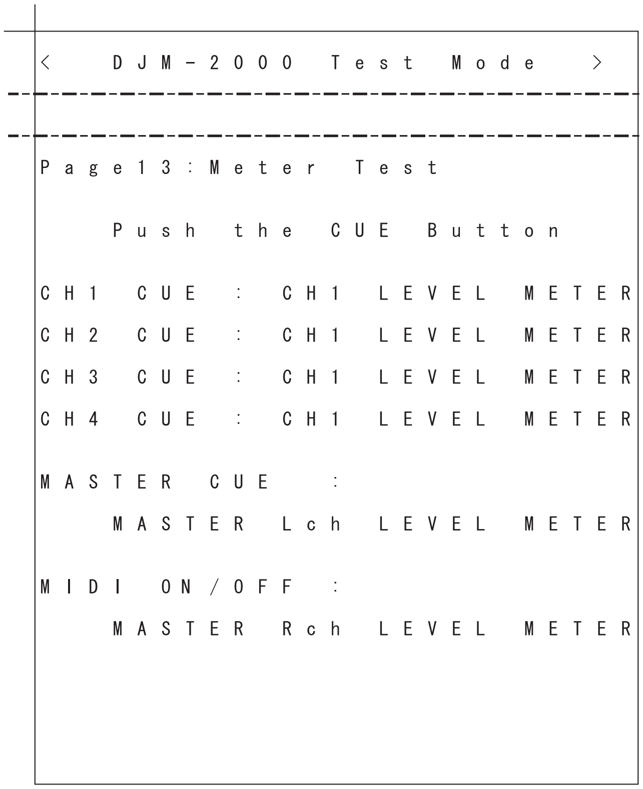
```
<    DJM-2000  Test  Mode    >
------------------------------------------
------------------------------------------
Page11:Volume  Test(3)

  CH3    TRIM  :  xxx▭xxx
         HI    :  xxx▭xxx
         MID   :  xxx▭xxx
         LOW   :  xxx▭xxx
         COLOR :  xxx▭xxx
  CH4    TRIM  :  xxx▭xxx
         HI    :  xxx▭xxx
         MID   :  xxx▭xxx
         LOW   :  xxx▭xxx
         COLOR :  xxx▭xxx
```

● Page 12 : Volume Test (4)



```
<    DJM-2000 Test Mode    >

Page12:Volume Test(4)

 CH FADER
      CH1   :  xxx         xxx
      CH2   :  xxx         xxx
      CH3   :  xxx         xxx
      CH4   :  xxx         xxx
 CROSS FADER
            :  xxx         xxx
```

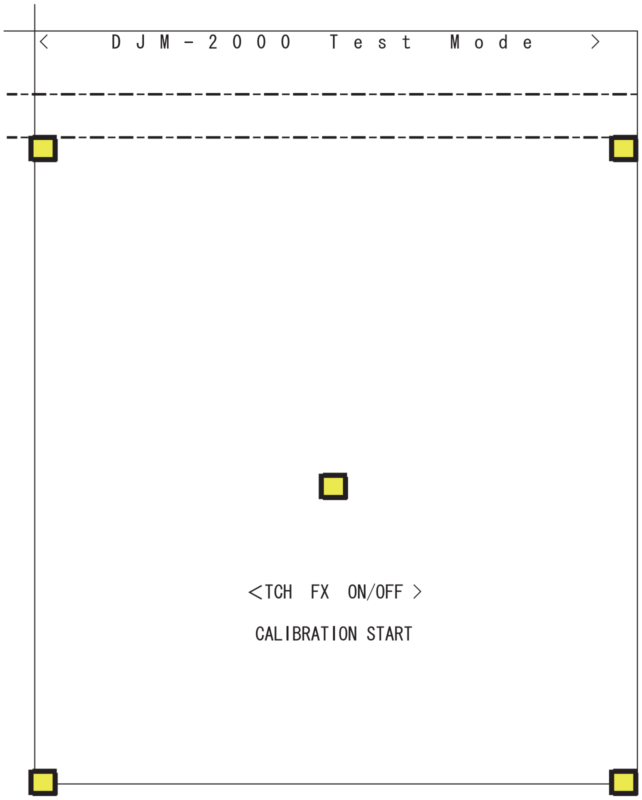
● Page 13 : Meter Test



```
<    DJM-2000 Test Mode    >

Page13:Meter Test

   Push the CUE Button

CH1 CUE : CH1 LEVEL METER
CH2 CUE : CH1 LEVEL METER
CH3 CUE : CH1 LEVEL METER
CH4 CUE : CH1 LEVEL METER

MASTER CUE :
   MASTER Lch LEVEL METER

MIDI ON/OFF :
   MASTER Rch LEVEL METER
```

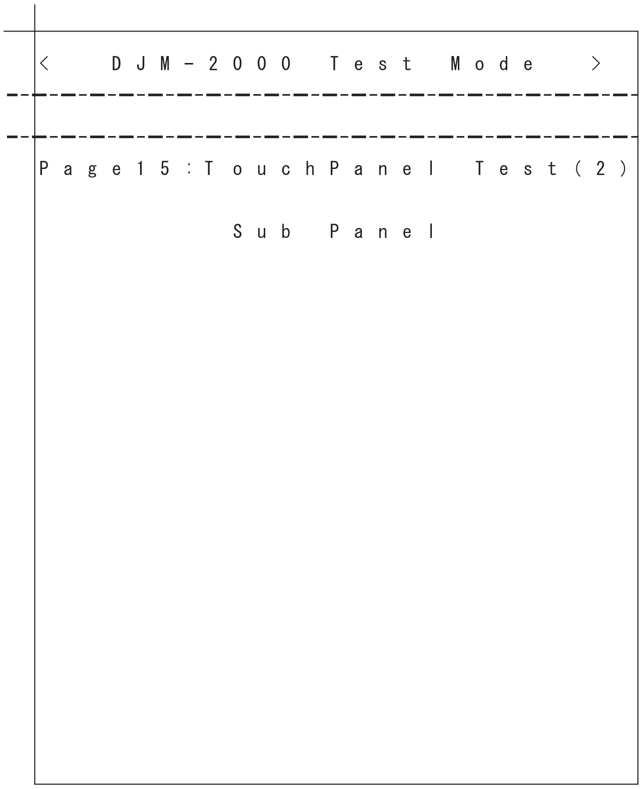
Each time the CUE key is pressed, the meter LEDs for each channel light one by one from the bottom. At first, all the LEDs are unlit.
If the CUE key is pressed after it was pressed 15 times (when the top LED is lit), all the LEDs become unlit again.
Then the same steps can be repeated.

● Page 14 : TouchPanel Test (1) (Calibration)



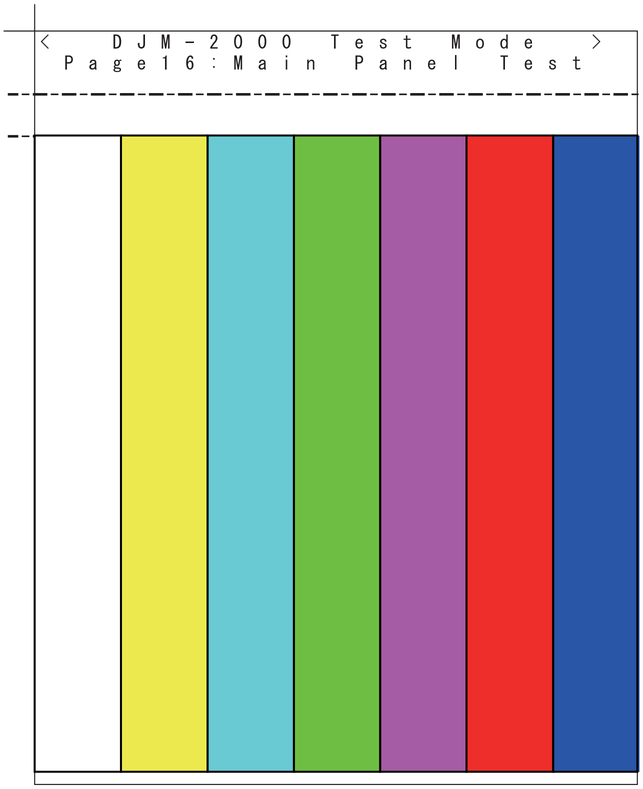
```
<    DJM-2000 Test Mode    >

          <TCH FX ON/OFF >
          CALIBRATION START
```

● Page 15 : TouchPanel Test (2)



```
<    DJM-2000 Test Mode    >

Page15:TouchPanel Test(2)

        Sub Panel
```

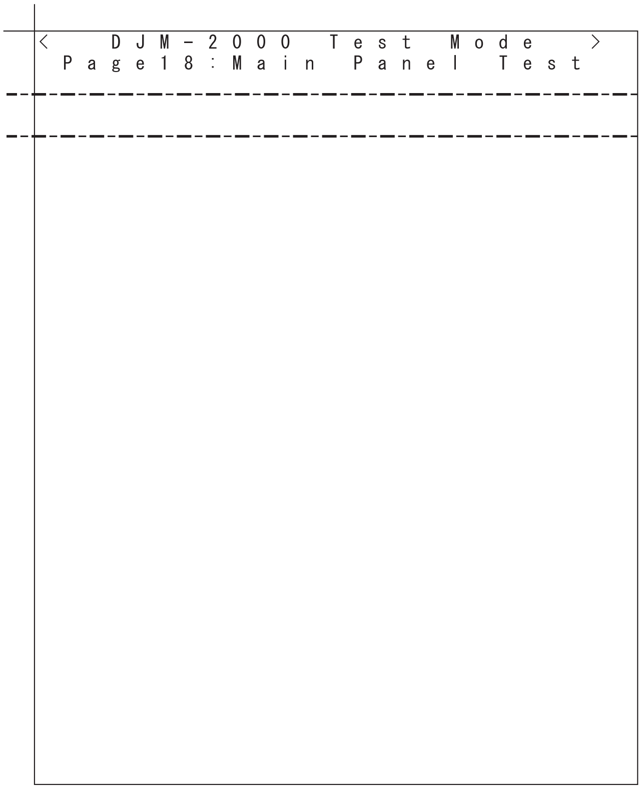
● Page 16 : Main Panel Test



< DJM-2000 Test Mode >
Page16:Main Panel Test

Color bar

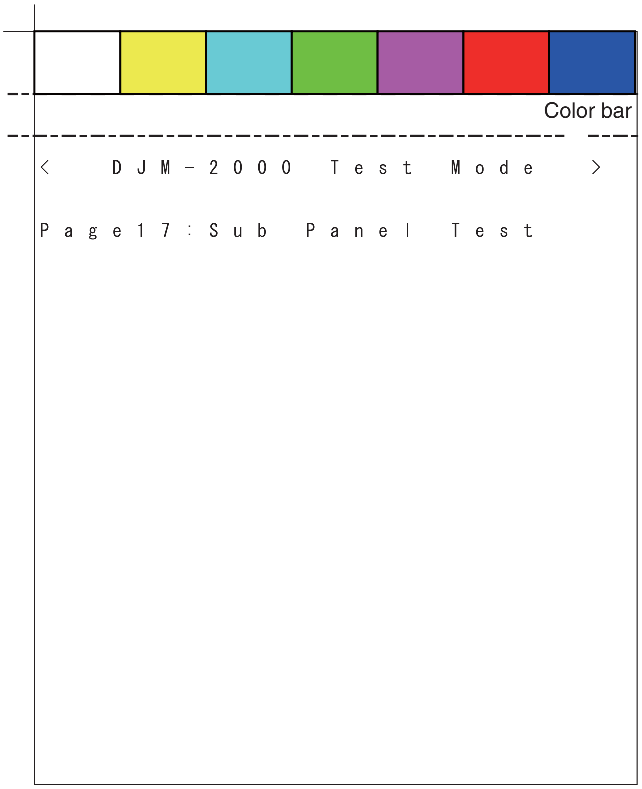
● Page 18 : Main Panel Test



< DJM-2000 Test Mode >
Page18:Main Panel Test

White

● Page 17 : Sub Panel Test

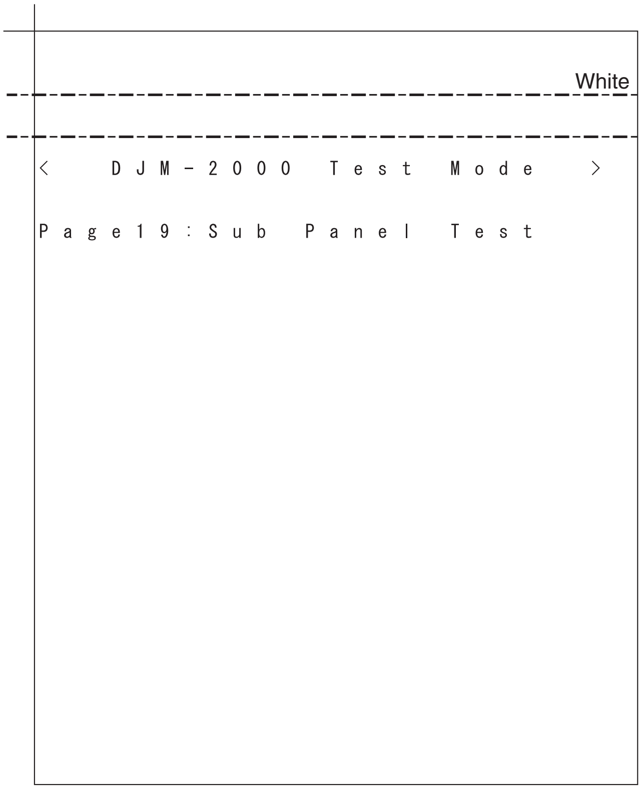


Color bar

< DJM-2000 Test Mode >

Page17:Sub Panel Test

● Page 19 : Sub Panel Test

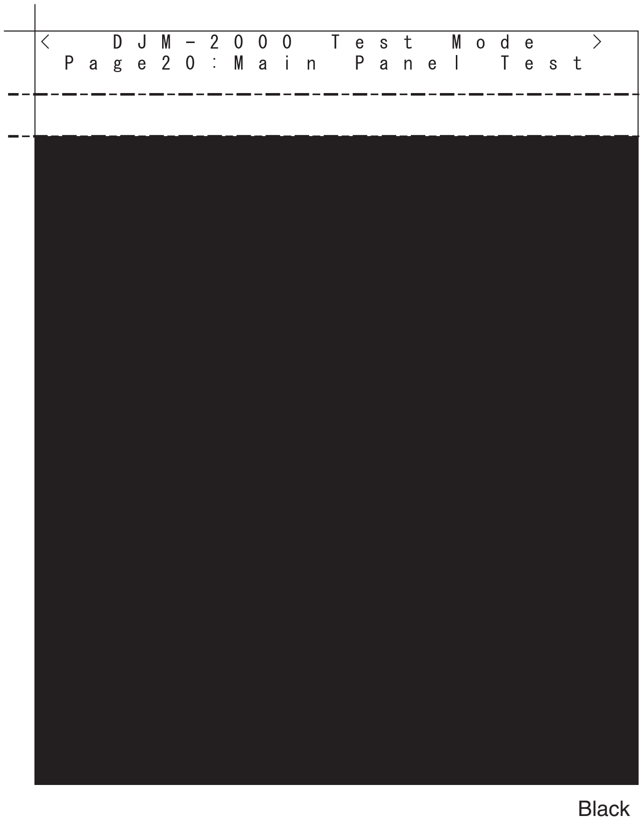


White

< DJM-2000 Test Mode >

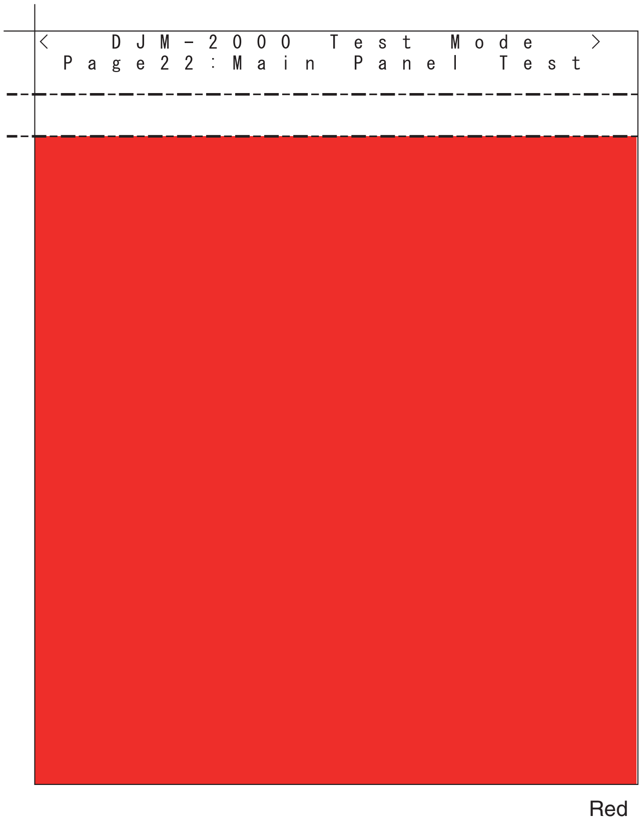
Page19:Sub Panel Test

● Page 20 : Main Panel Test



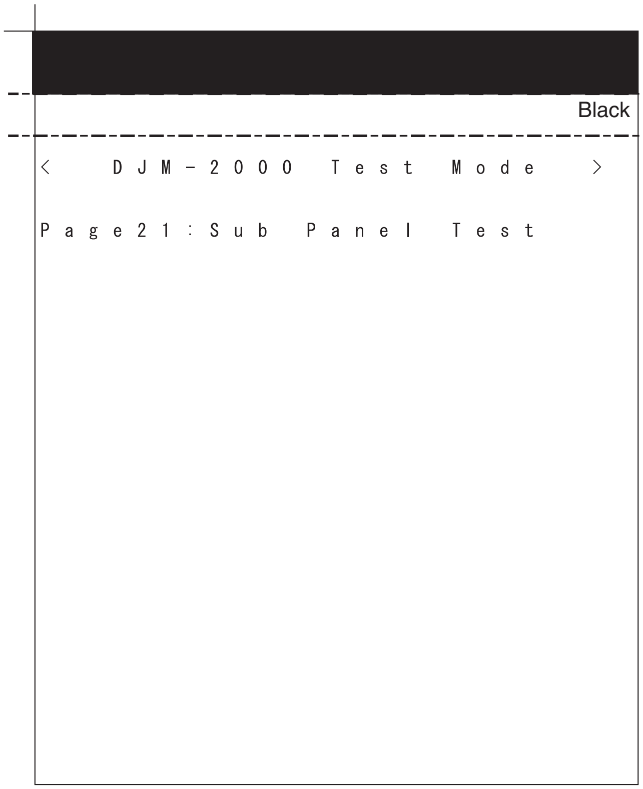
< DJM-2000 Test Mode >
Page20:Main Panel Test

● Page 22 : Main Panel Test



< DJM-2000 Test Mode >
Page22:Main Panel Test

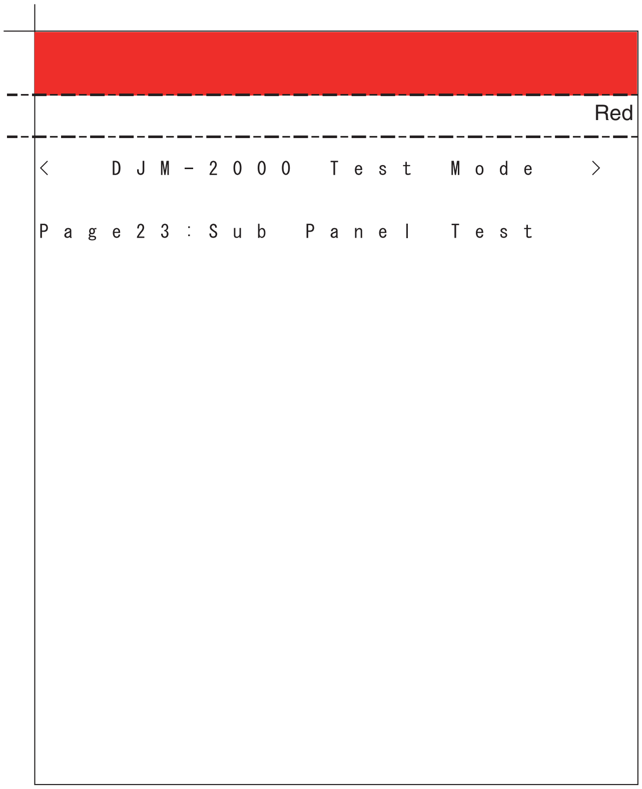
● Page 21 : Sub Panel Test



< DJM-2000 Test Mode >

Page21:Sub Panel Test

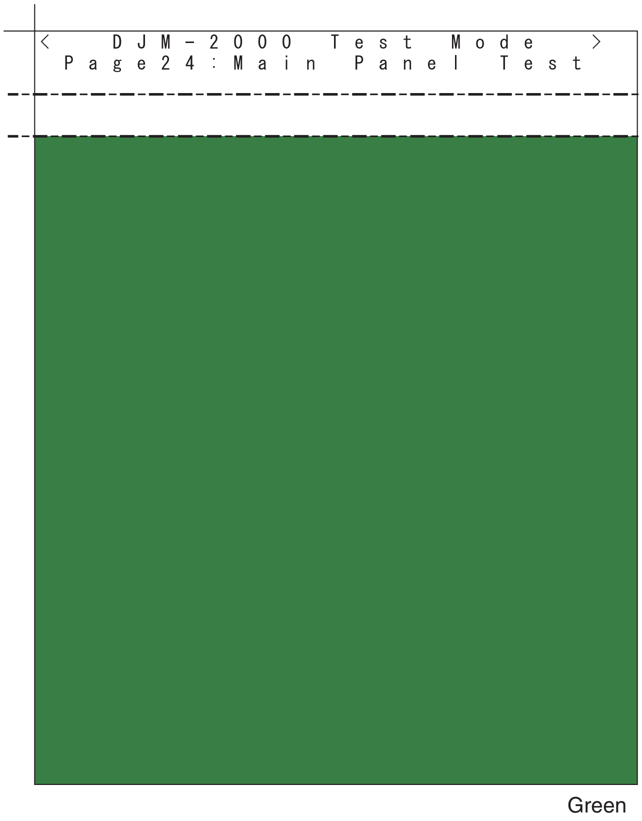
● Page 23 : Sub Panel Test



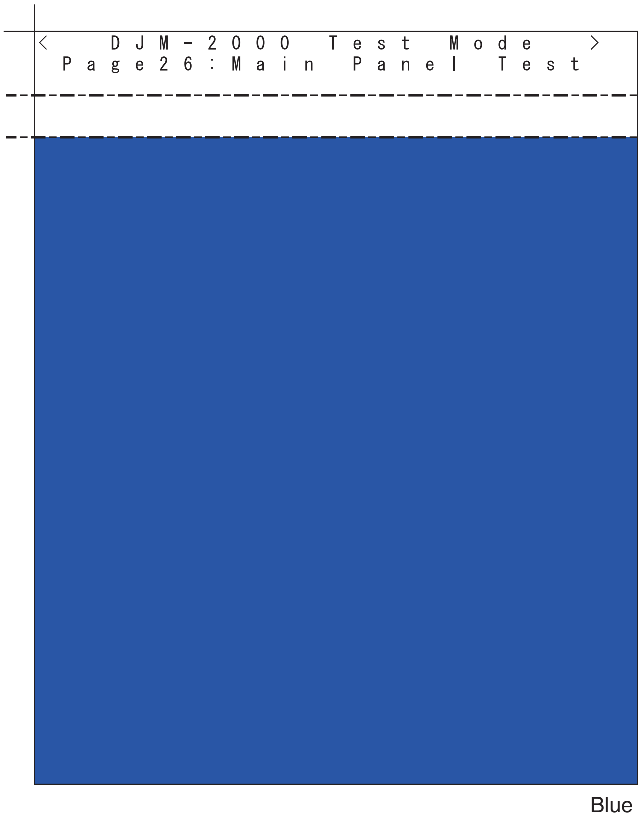
< DJM-2000 Test Mode >

Page23:Sub Panel Test

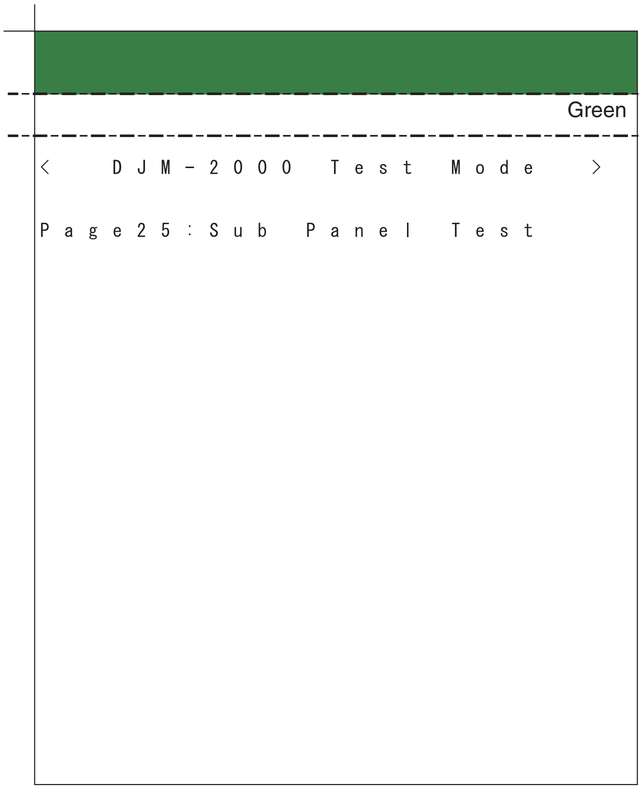
Page 24 : Main Panel Test


< DJM-2000 Test Mode >
Page24:Main Panel Test

Page 26 : Main Panel Test


< DJM-2000 Test Mode >
Page26:Main Panel Test

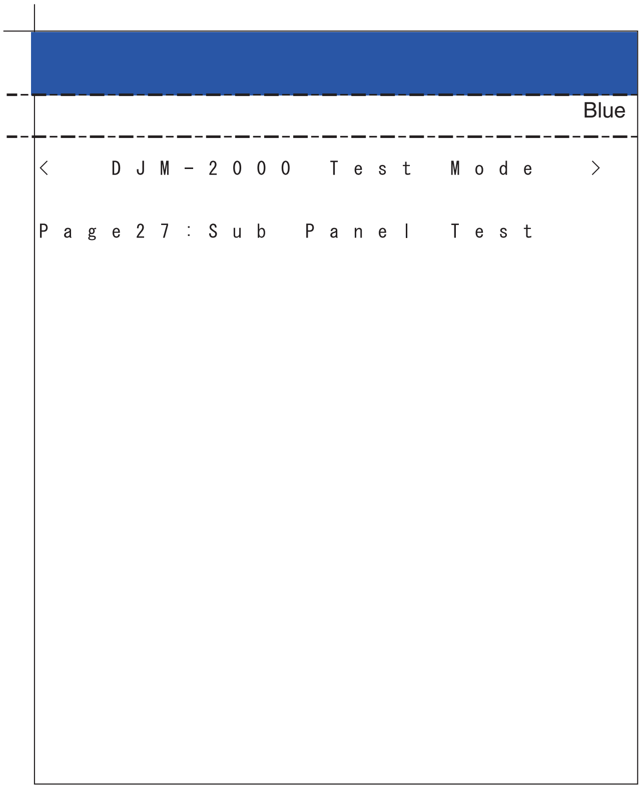
Page 25 : Sub Panel Test



< DJM-2000 Test Mode >

Page25:Sub Panel Test

Page 27 : Sub Panel Test



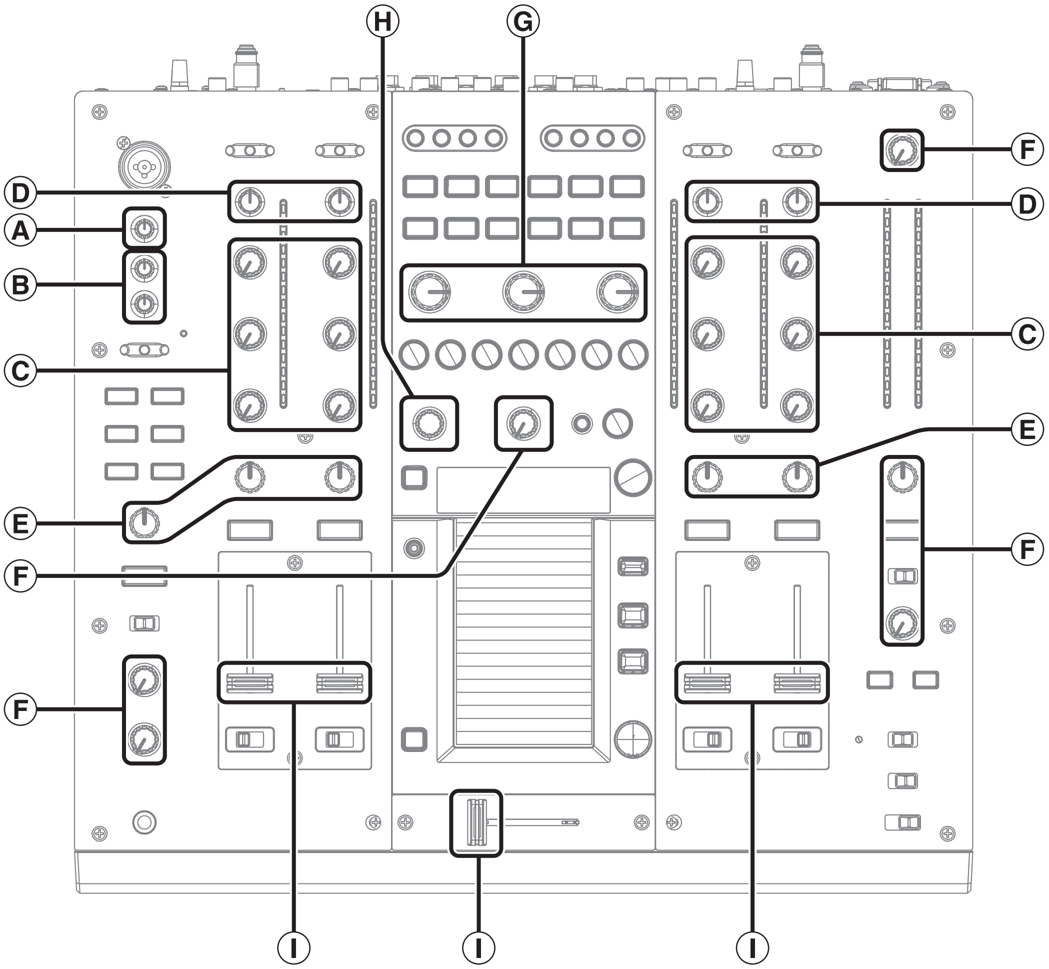
< DJM-2000 Test Mode >

Page27:Sub Panel Test

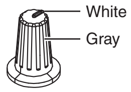
7. DISASSEMBLY

Note:
(1) Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

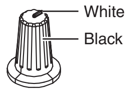
Knobs and Volumes Location


H
G
D
A
B
C
E
F
F
F
D
C
E
F
I
I
I

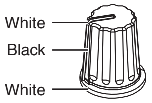
Ⓐ Rotary SW Knob S (B)
(DAA1178)



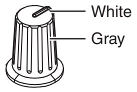
Ⓑ Rotary SW Knob S (A)
(DAA1177) ×2


White
Black

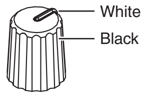
Ⓒ Rotary SW Knob (B)
(DAA1176) ×12


White
Black
White

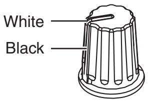
Ⓓ Rotary SW Knob S (C)
(DAA1204) ×4



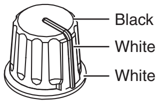
Ⓔ Knob (RES)
(DAA1250) ×5


White
Black

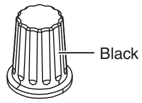
Ⓕ Rotary Knob (BN)
(DAA1220) ×6


White
Black

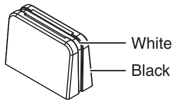
Ⓖ Knob (FREQUENCY)
(DAA1253) ×3


Black
White
White

Ⓗ Rotary SW Knob (C)
(DAA1180)



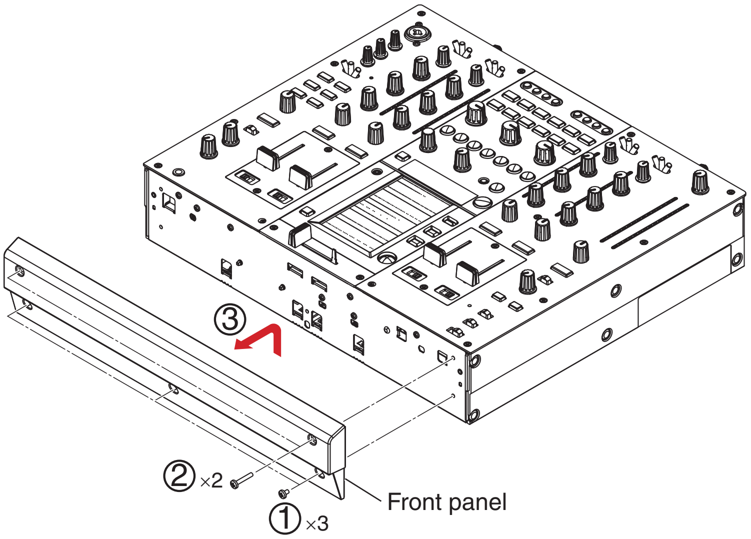
Ⓘ Slider Knob
(DAC2501) ×5


White
Black

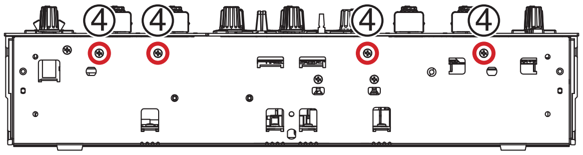
Disassembly

[1] Control Pane Section

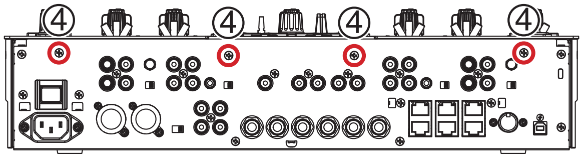
(1) Remove the three screws. (BCZ40P060FTB)
(2) Remove the two screws. (BSZ40P220FTB)
(3) Remove it to the front direction while lifting front panel on the top.


③
②×2
①×3
Front panel

(4) Remove the eight screws. (BBZ30P060FTB)

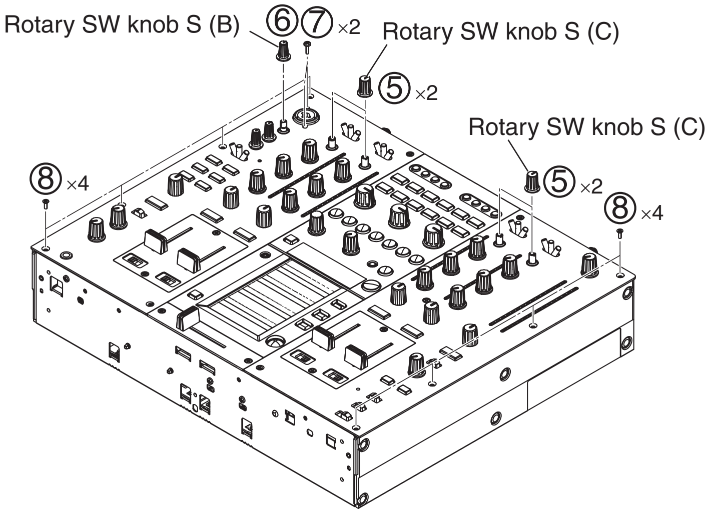


• Front view



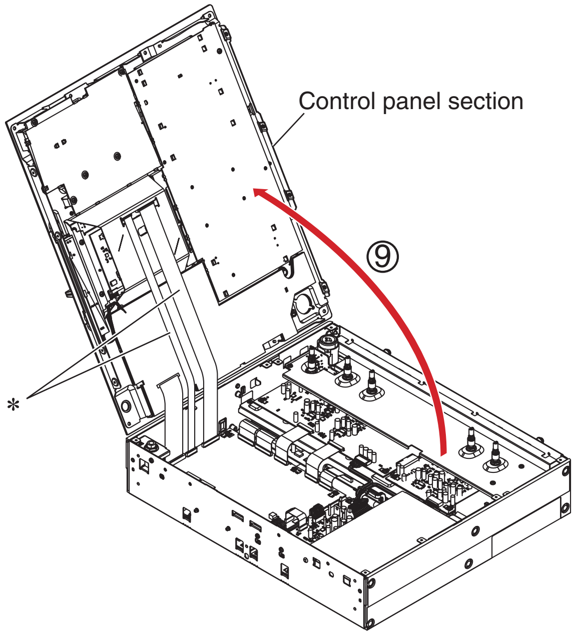
• Rear view

(5) Remove the four rotary SW knobs S (C).
(6) Remove the rotary SW knob S (B).
(7) Remove the two screws. (BPZ30P100FTB)
(8) Remove the eight screws. (CCZ30P080FTB)


Rotary SW knob S (B)
⑥⑦×2
Rotary SW knob S (C)
⑤×2
Rotary SW knob S (C)
⑤×2
⑧×4
⑧×4

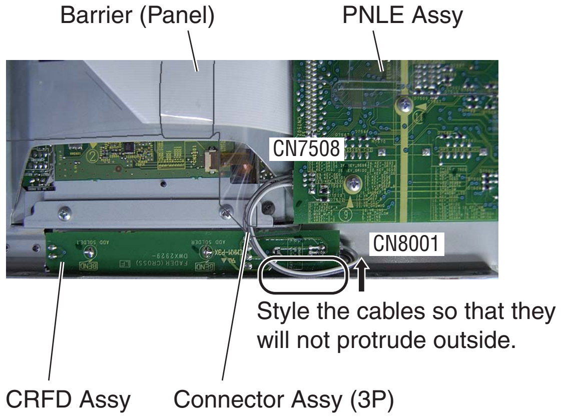
(9) Remove the control panel section.

Note ∗:
The flexible cables between the TFTB Assy and MAIN Assy do not have redundant length.
When detaching the control panel section, be careful not to pull out or damage the flexible cables.

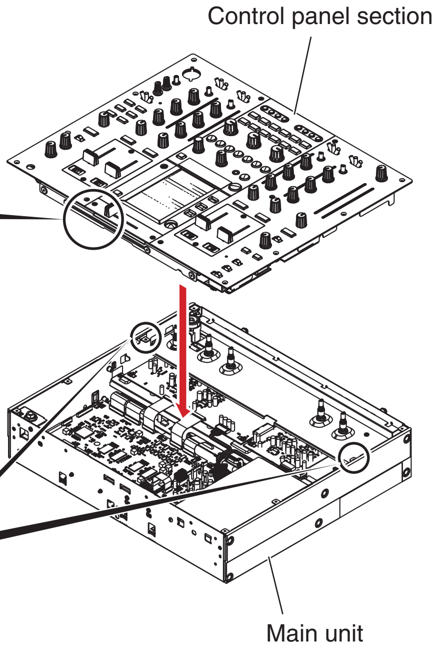

Control panel section
⑨
∗

• Note on Reassembly

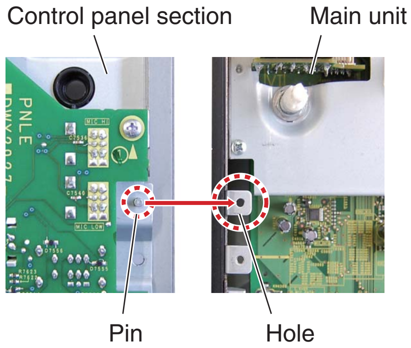
When attaching the control panel section to the main unit, make sure that the cables of the Connector Assy (3P), shown in the figure below, will not be pinched between the edges of the two sections of the housing when closing it.


Barrier (Panel)
PNLE Assy
CN7508
CN8001
CRFD Assy
Connector Assy (3P)

Style the cables so that they will not protrude outside.

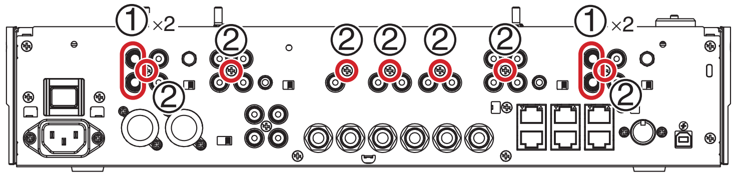

Control panel section
Main unit

During reassembly, align the pin on the control panel with the hole of the main unit for proper alignment.


Control panel section
Main unit
Pin
Hole

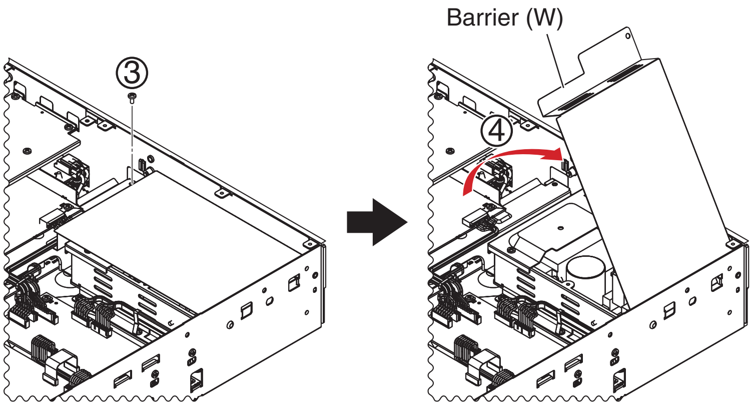
[2] AIN1 and AIN2 Assy

(1) Disconnect the four short pin plugs.
(2) Remove the seven screws. (BPZ30P080FTB)

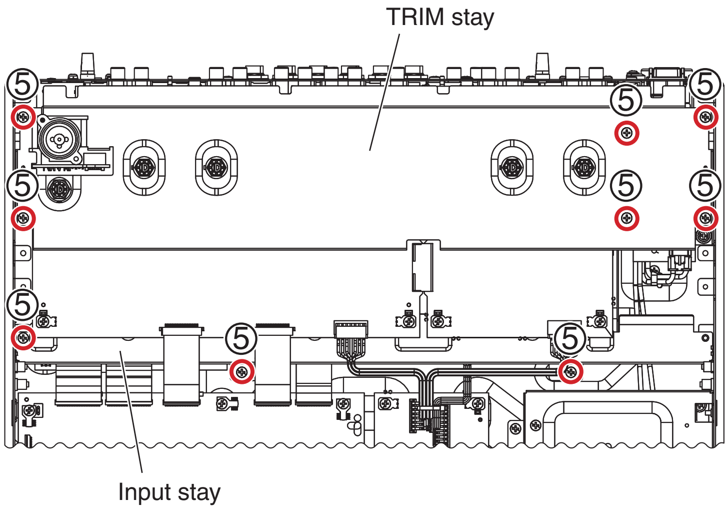

①×2
②
②
②
②
②
②
①×2
②

• Rear view

(3) Remove the screw. (BBZ30P060FTC)
(4) Lift up the barrier (W) to a front direction.

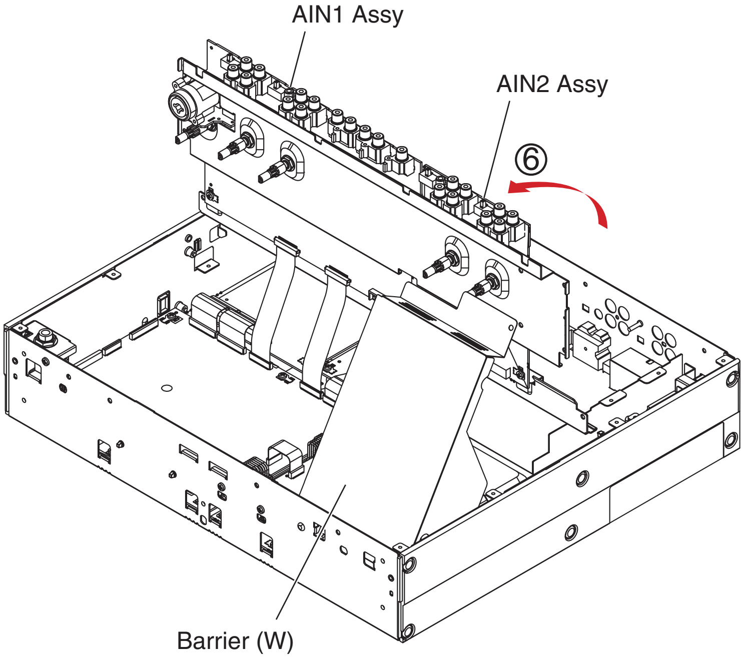

③
Barrier (W)
④

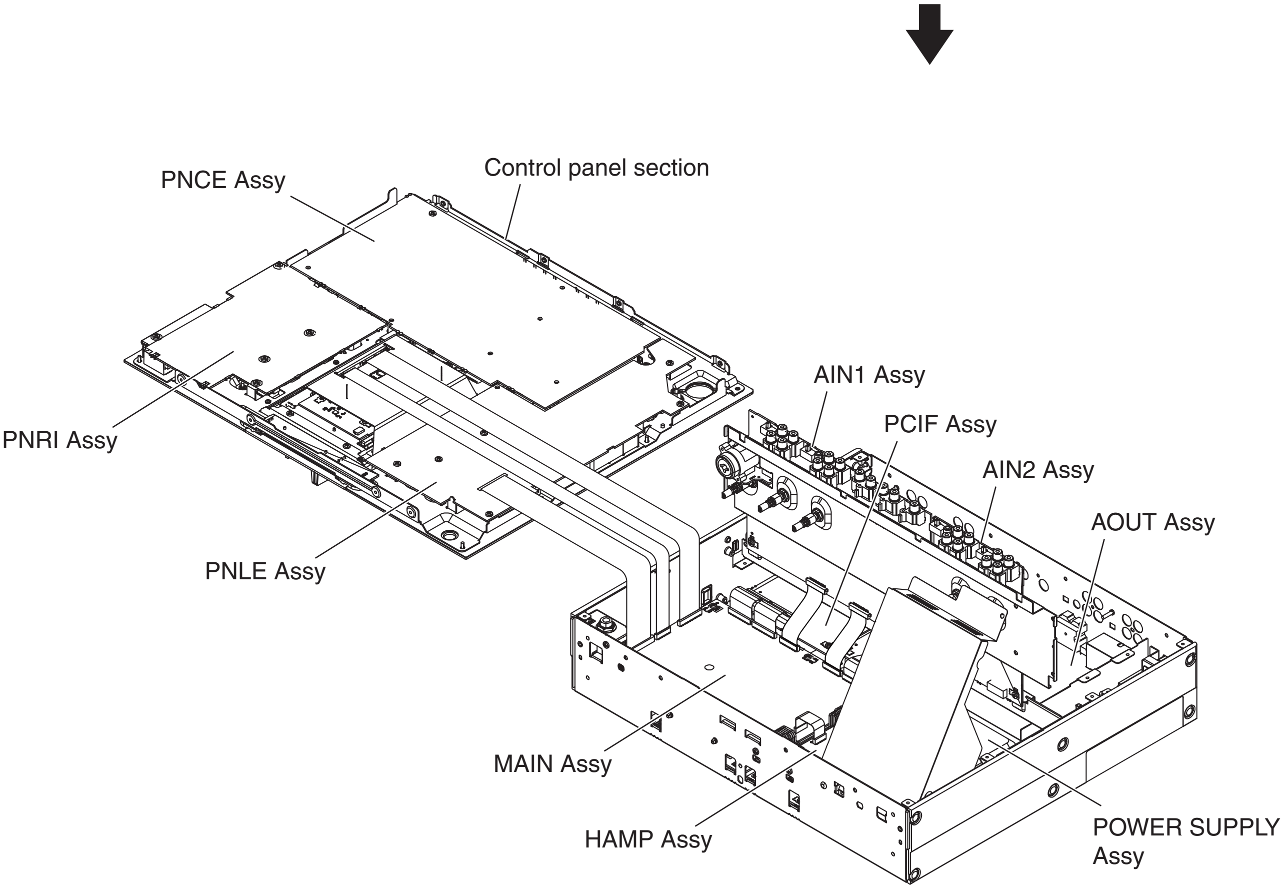
(5) Remove the nine screws. (BBZ30P060FTC)


TRIM stay
⑤
⑤
⑤
⑤
⑤
⑤
⑤
⑤
⑤
Input stay

(6) Lift up the AIN1 and AIN2 Assemblies to a front direction.

Diagnosis

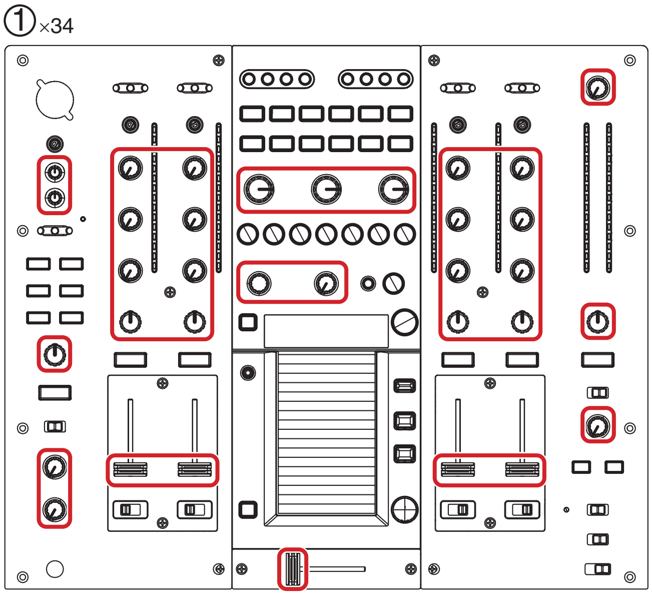

AIN1 Assy
AIN2 Assy
⑥
Barrier (W)


Control panel section
PNCE Assy
PNRI Assy
PNLE Assy
AIN1 Assy
PCIF Assy
AIN2 Assy
AOUT Assy
MAIN Assy
HAMP Assy
POWER SUPPLY Assy

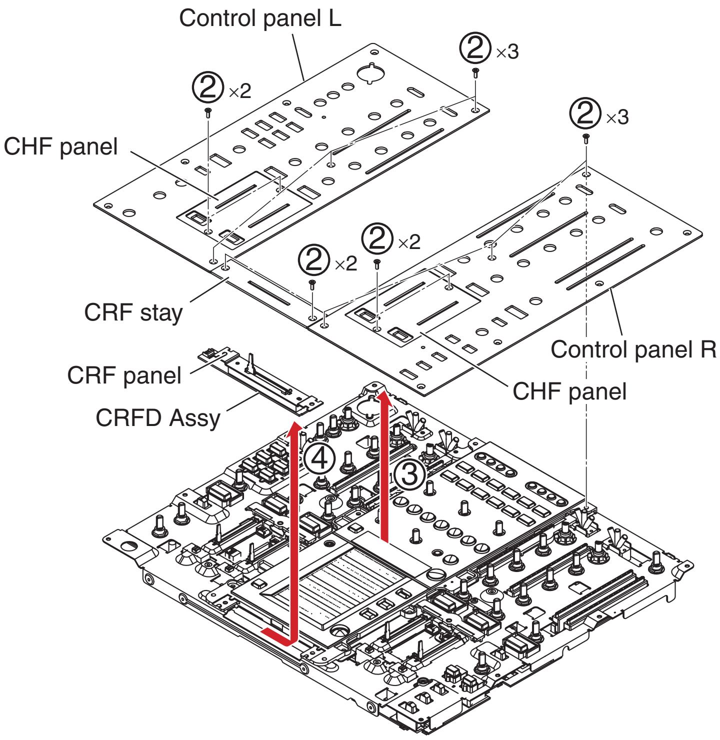
[3] LCD and Touch Panel

[3-1] Control panel

(1) Remove the all knobs.

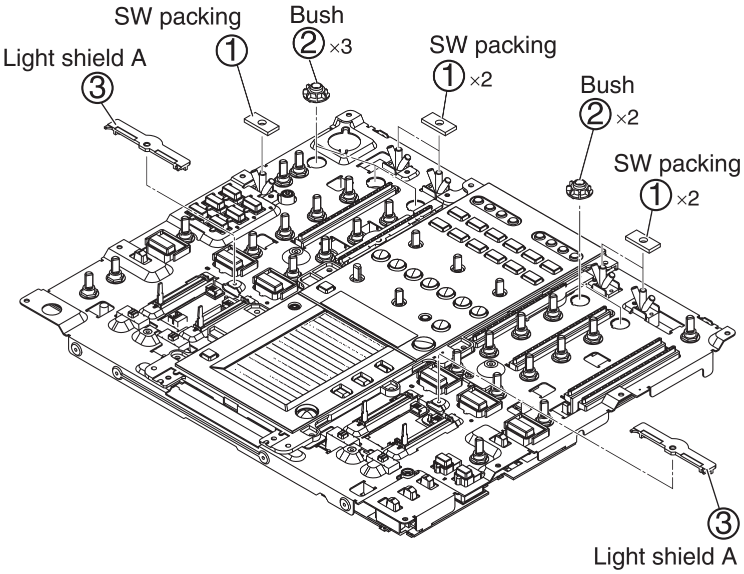


(2) Remove the 12 screws. (CCZ30P080FTB)
(3) Remove the Control panel L, R, CHF panel and CRF panel.
(4) Remove the CRF stay with CRFD Assy.

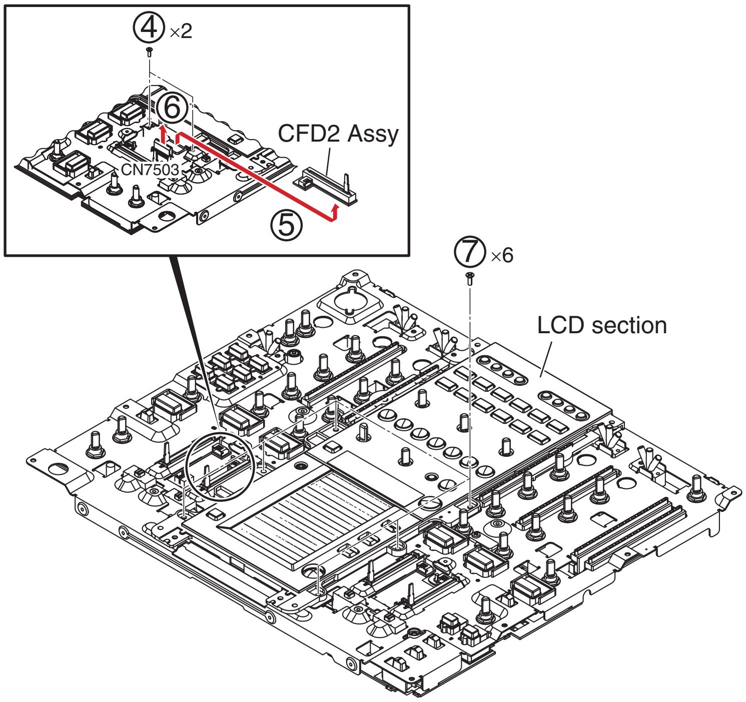

Control panel L
②×3
②×2
②×3
CHF panel
②×2
②×2
CRF stay
Control panel R
CRF panel
CHF panel
CRFD Assy
④
③

[3-2] LCD section

(1) Remove the five SW packings.
(2) Remove the five bushes.
(3) Remove the two light shields A.


SW packing
①
Bush
② ×3
SW packing
① ×2
Light shield A
③
Bush
② ×2
SW packing
① ×2
③
Light shield A

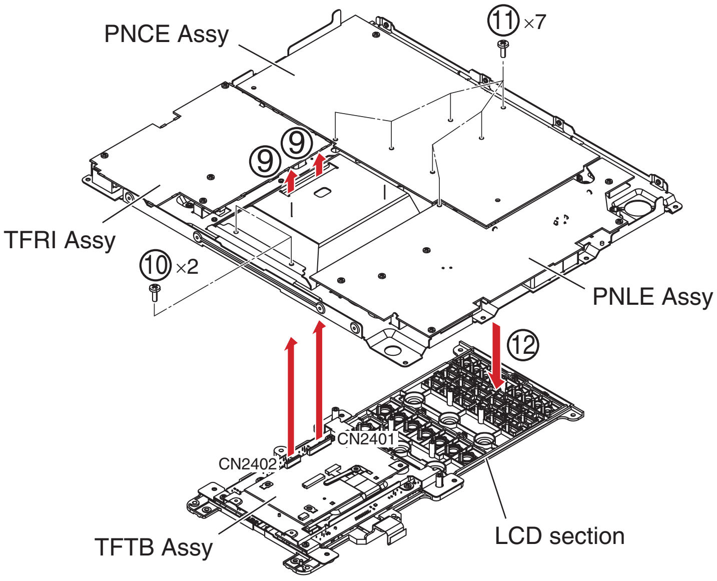
(4) Remove the two screws. (PMA20P040FTC)
(5) Remove the CFD2 Assy.
(6) Disconnect the flexible cable.
(7) Remove the six screws. (BBZ30P060FTC)


④ ×2
⑥
CFD2 Assy
CN7503
⑤
⑦ ×6
LCD section

(8) Reverse the control panel section.
(9) Disconnect the two flexible cables.
(10) Remove the two screws. (BBZ30P060FTC)
(11) Remove the seven screws while holding LCD section. (BPZ30P080FTB)

Note: Be careful to falls of LCD section.

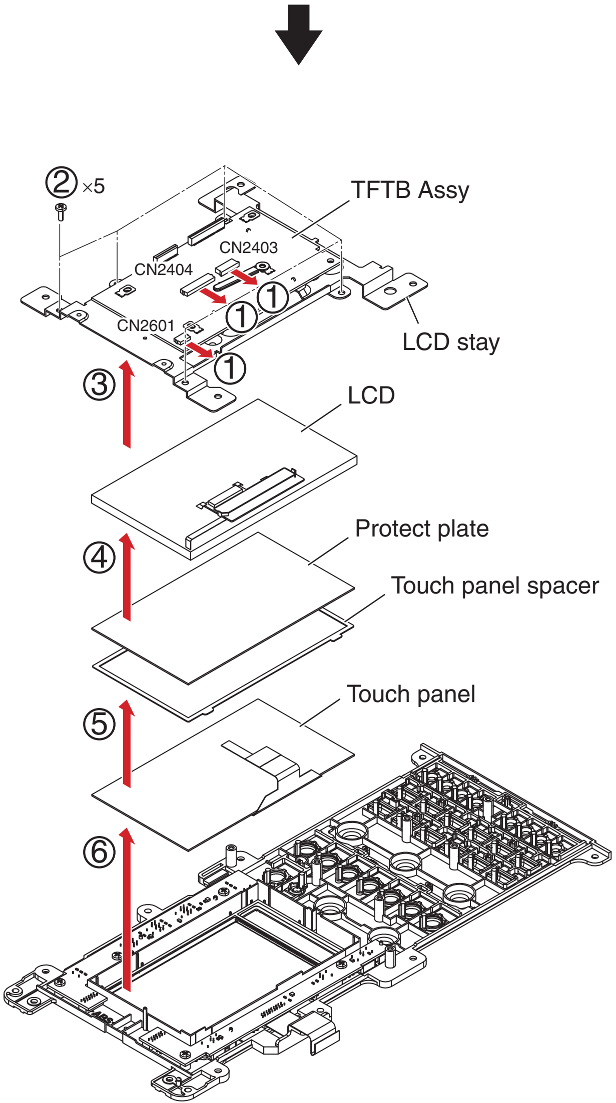
(12) Remove the LCD section.


PNCE Assy
⑪×7
⑨
⑨
TFRI Assy
⑩×2
PNLE Assy
⑫
CN2401
CN2402
TFTB Assy
LCD section

• Bottom view

[3-3] LCD and Touch panel

(1) Disconnect the three flexible cables.
(2) Remove the five screws. (BPZ30P080FTB)
(3) Remove the LCD stay with TFTB Assy.
(4) Remove the LCD.
(5) Remove the protect plate and touch panel spacer.
(6) Remove the touch panel.


②×5
TFTB Assy
CN2403
CN2404
①
①
CN2601
①
LCD stay
③
LCD
Protect plate
④
Touch panel spacer
Touch panel
⑤
⑥

• Bottom view

8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

It is recommended that you take note of the setting data before starting repair.
Use “8.6 SHEET FOR CONFIRMATION OF THE USER SETTINGS” for taking notes.

Before repairing, be sure to check the version of the firmware (using “Page00: Version” of Test mode), and if it is not the latest one, update to the latest version.

Perform the each item when the following parts are replaced.

- MAIN Assy (Flash ROM) ⇨
  - Confirmation of the version of the firmware
  - Updating to the latest version of the firmware
- PCIF Assy ⇨
  - Confirmation of the version of the firmware (USB)
  - Updating to the latest version of the firmware
- EEPROM (IC2003) on the PCIF Assy ⇨
  - Writing of the program (USB firmware) in Checker mode (See 8.3.)
  - Updating to the latest version of the firmware
- Touch Panel ⇨
  - Calibration Adjustment (See 8.4.)

8.2 UPDATING OF THE FIRMWARE

<Prerequisite>

The network settings for the PC to be used for updating must be DHCP or Auto IP.

<Procedures>

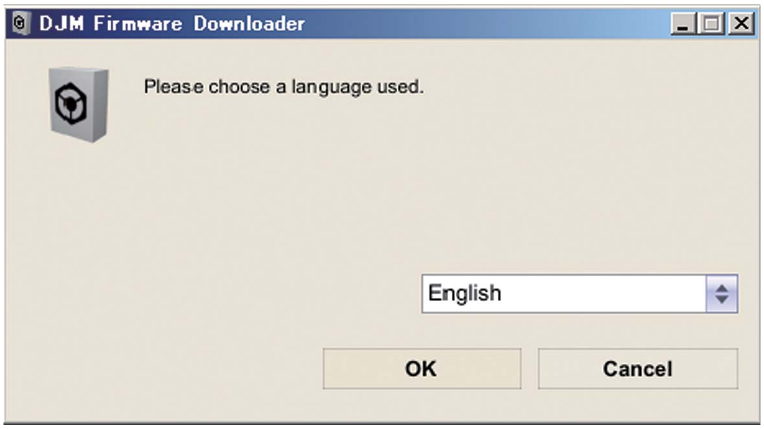
1. Download the folder for updater files to the PC, via the Internet.
   Folder name: DJM2000_Ver0.00.zip (“0.00” represents the version)

2. Unzip the downloaded folder.
   The following two files are unzipped:
      DJM2000_Vero.oo.upd
      DJM2000_Update0.00.exe (Updater application)

3. Disconnect the PC from the network then connect it with the DJM-2000.
   Note: Directly connect the PC and DJM-2000, using a LAN cable. Either a straight or cross LAN cable can be used.

4. Start up the DJM-2000 in Update mode.
∗: Turn the POWER switch ON while holding the BEAT EFFECT ON/OFF and TOUCH PANEL EFFECT ON/OFF.

5. Start the DJM2000Update0.00.exe file then select the language to be used during the updating process.

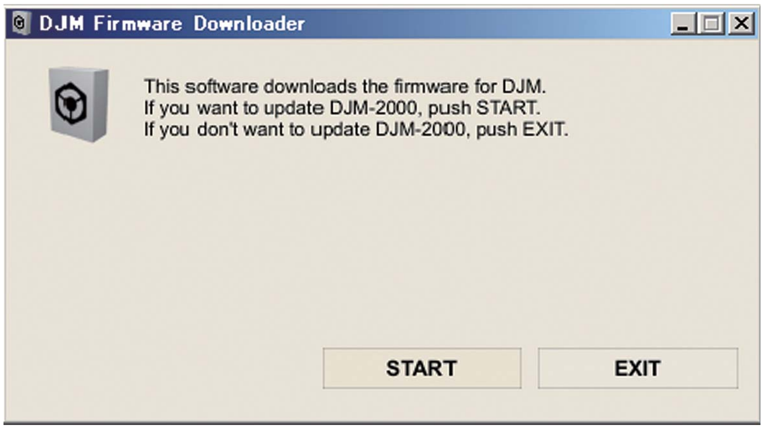


DJM Firmware Downloader

Please choose a language used.

English

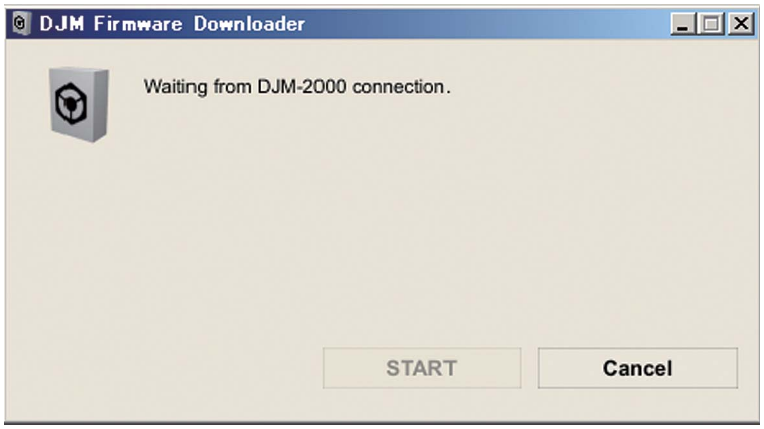
6. To update the firmware, click on “Start.”


DJM Firmware Downloader

This software downloads the firmware for DJM.
If you want to update DJM-2000, push START.
If you don't want to update DJM-2000, push EXIT.

START
EXIT

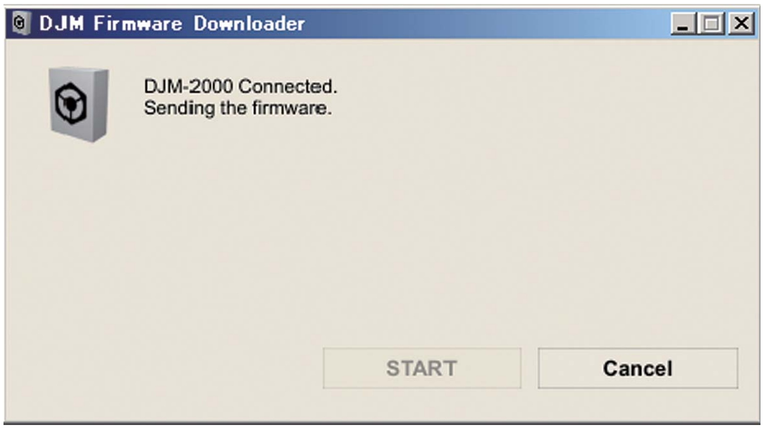
7. A standby screen for connection with the DJM-2000 will be displayed.
   *It may take 1 minute or longer before connection is established.


DJM Firmware Downloader

Waiting from DJM-2000 connection.

START
Cancel

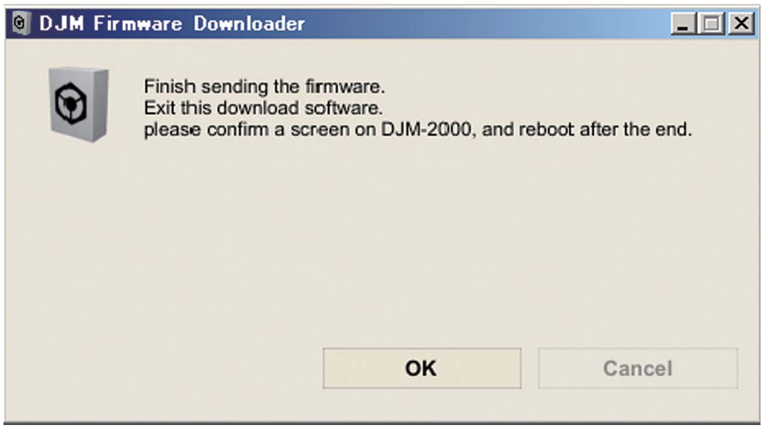
8. After connection is successfully established, updating of the firmware of the DJM-2000 will be executed automatically.


DJM Firmware Downloader

DJM-2000 Connected.
Sending the firmware.

START
Cancel

9. After updating is completed, a completion message will be displayed in the dialog box. After checking that 100% is displayed on the DJM-2000, click on OK. Restart the DJM-2000.



Finish sending the firmware.
Exit this download software.
please confirm a screen on DJM-2000, and reboot after the end.

<If an Error is Generated>

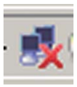
An error may be generated while updating of the application is in progress, for the reasons described below.
If an error is generated, perform the above procedures again.

- The updater application is started on the PC without a network environment.
- The updater files cannot be found.
- Communication is interrupted during updating, because of a defective LAN cable, etc.

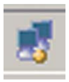
<Reference>

In a case of the Auto IP setting in a Windows environment, it may take 1 minute or longer until the network communication is established after the DJM-2000 is connected with the PC. In such a case, the current status can be confirmed on the Windows PC.

1. When the DJM-2000 is not connected with the PC

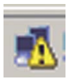


2. When the DJM-2000 that is started in Update mode is connected with the PC via a network cable



Network communication has not been established yet. Updating of the firmware of the DJM-2000 cannot be executed even if the updater application is started.
Note: After the network cable is disconnected, the indication will return to 1.

3. When an IP address is assigned with Auto IP



Updating of the firmware of the DJM-2000 can be executed by starting the updater application.

8.3 WORK REQUIRED AFTER THE EEPROM IS REPLACED

■ Work Required after the EEPROM (IC2003) on the PCIF Assy is Replaced

As no program has been written in the EEPROM for service (blank ROM), the USB firmware must be written in it after replacement, to be performed in Checker mode.

Perform the corresponding procedures, according to the conditions indicated below.
- When the version of the firmware (USB) has not been updated: Operations in ①.
- When the version of the firmware (USB) has been updated: Operations in ① and ②.

● Preconditions

All the PC boards must be connected properly to the unit.
Connect the PC and the DJM-2000 via LAN then start up the application for updating in the same manner as in a case of usual updating.

①

● Operation

Start up Checker mode of the main unit by setting the POWER switch to ON while holding the INST FX NOISE, LINK CUE, and CH2 CUE buttons pressed.

● LCD indication

checker mode

● Operation

Hold the MIDI, REMIX, and MIX buttons pressed for at least 2 seconds.

[Pin 4 of IC1601 (PA4 general-purpose port)]	[LCD indication]
<During updating> Low output	<During updating> checker mode usb download start XXXX
<When updating is completed> High output	<When updating is completed> checker mode usb download end

The file size of the updated data for the TUSB3200 is indicated.

②

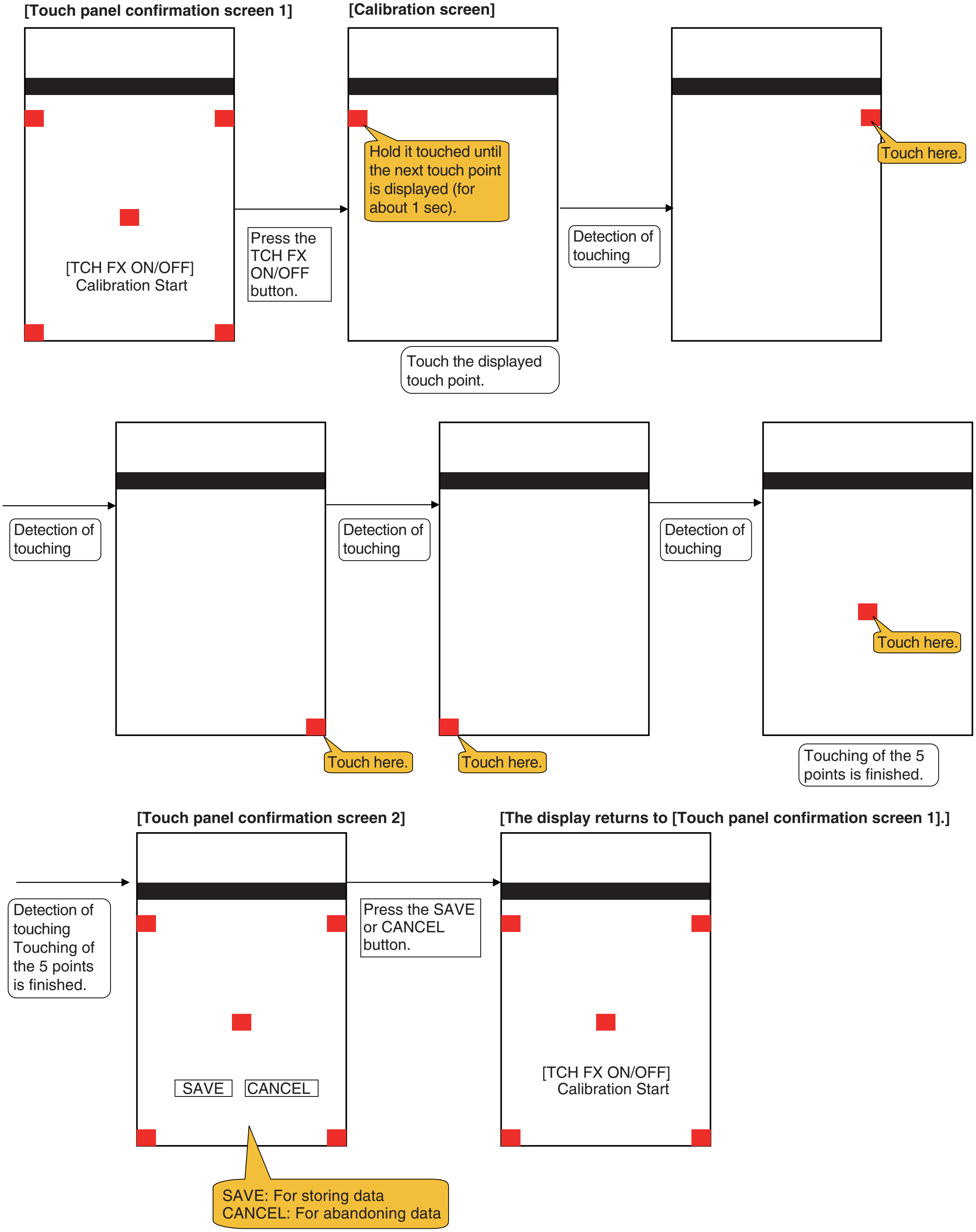
● Additional Operation

Additional updating procedures are required in order to keep up to the latest version.
Activate Updating mode, download the First-edition firmware file (DJM2000_vXXX.upd), then perform updating.
Then reactivate Update mode, download the latest version of the update file (DJM2000_vZZZ.upd), then update the version. Confirm that the version of USB firmware has become the latest one in Test mode (Page00: Version) then terminate.

8.4 CALIBRATION ADJUSTMENT

Perform the calibration adjustment after the Touch Panel (DSX1081) is replaced.
Enter the Test mode, then perform the following adjustment on page 14. (Refer to "6.1 TEST MODE.")

● Page 14


[Touch panel confirmation screen 1]
[Calibration screen]
[TCH FX ON/OFF]
Calibration Start
Press the TCH FX ON/OFF button.
Hold it touched until the next touch point is displayed (for about 1 sec).
Touch the displayed touch point.
Detection of touching
Touch here.
Detection of touching
Touch here.
Detection of touching
Touch here.
Detection of touching
Touch here.
Touching of the 5 points is finished.
[Touch panel confirmation screen 2]
[The display returns to [Touch panel confirmation screen 1].]
Detection of touching
Touching of the 5 points is finished.
SAVE
CANCEL
SAVE: For storing data
CANCEL: For abandoning data
Press the SAVE or CANCEL button.
[TCH FX ON/OFF]
Calibration Start

8.5 USER SETABLE ITEMS

The following data have been set in each IC.

Item for Which User's Setting is Available		Setting Value (The factory default settings are indicated in bold.)	Part No.	Part Name	Ref No.	Assy	Content to be Stored
USER SETUP	MIDI CHANNEL(ZONE1)	1 to 16 (**1**)	DYW1790	Flash ROM	IC1703	MAIN	UTILITY setting
	MIDI CHANNEL(ZONE2)	1 to 16 (**2**)					
	LCD BACK LIGHT	1 to 5 (**3**)					
CLUB SETUP	DIGITAL OUT MAX LEVEL	**-19 dB**, -15 dB, -10 dB, -5 dB					
	DIGITAL SAMPLING RATE	48 kHz, **96 kHz**					
	AUTO STANDBY	**ON**/OFF					
	OUTPUT TO BOOTH MONITOR	**ON**/OFF					
	TALK OVER THRESHOLD LEVEL	-25 dB, -20 dB, **-15 dB**, -10 dB					
	TALK OVER LEVEL	-25 dB, **-20 dB**, -15 dB, -10 dB					
	TOUCH PANEL	Set it individually.					

8.6 SHEET FOR CONFIRMATION OF THE USER SETTING

When you write down a setting item, please make use of this seat.

USER SET UP

*ZONE1 and ZONE2 must not have the same value settings.

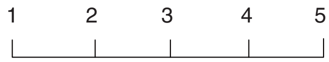
ZONE1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

ZONE2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

LCD



CLUB SET UP

SYSTEM

DIGITAL OUT MAX LEVEL

-19 dB	-15 dB	-10 dB	-5 dB

DIGITAL SAMPLING RATE

48 kHz	96 kHz

AUTO STANDBY

ON	OFF

MIC

OUTPUT TO BOOTH MONITOR

ON	OFF

TALK OVER THRESHOLD LEVEL

-25 dB	-20 dB	-15 dB	-10 dB

TALK OVER LEVEL

-25 dB	-20 dB	-15 dB	-10 dB

TOUCH PANEL

Perform calibration.

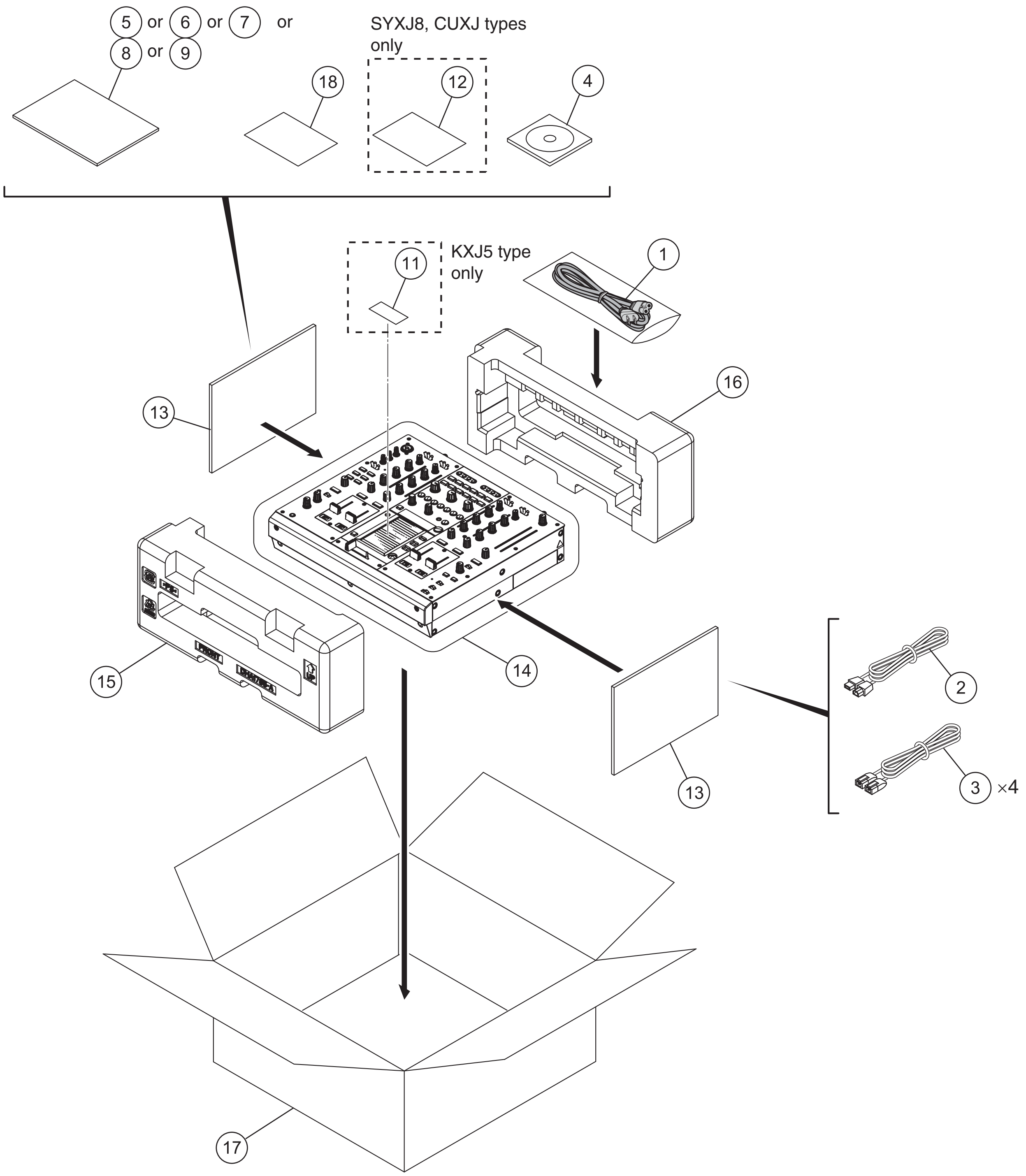
FACTORY RESET

NEVER perform FACTORY RESET before taking note of setting data.

9. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING SECTION



⑤ or ⑥ or ⑦ or
⑧ or ⑨
SYXJ8, CUXJ types only
⑱
⑫
④
⑪
KXJ5 type only
①
⑯
⑬
⑮
⑭
②
③ ×4
⑬
⑰

(1) PACKING SECTION PARTS LIST

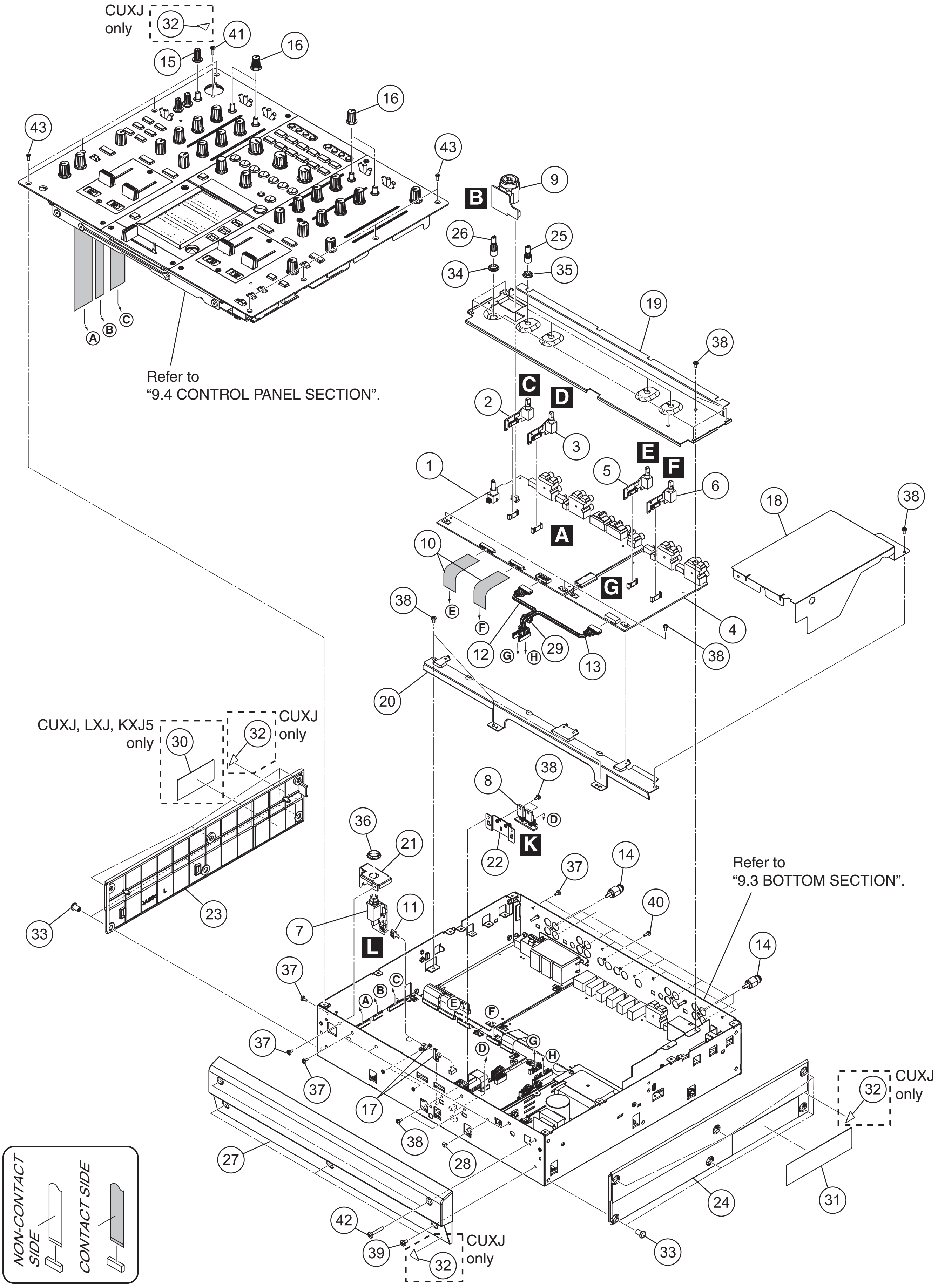
Mark	No.	Description	Part No.
⚠	1	Power Cable	See Contrast table (2)
	2	USB Cable	DDE1128
	3	LAN Cable	DDE1131 or DDE1137
	4	CD-ROM	DXX2603
	5	Operating Instructions	See Contrast table (2)
	6	Operating Instructions	See Contrast table (2)
	7	Operating Instructions	See Contrast table (2)
	8	Operating Instructions	See Contrast table (2)
	9	Operating Instructions	See Contrast table (2)
	10	• • • • •	
	11	Recycle Label (M)	See Contrast table (2)
NSP	12	Warranty Card	See Contrast table (2)
NSP	13	Polyethylene Bag	AHG7117
	14	Mirror Mat (1200 x 1000)	DHL1169
	15	Pad F (DJM-2000)	DHA1785
	16	Pad R (DJM-2000)	DHA1786
	17	Packing Case	See Contrast table (2)
NSP	18	Flyer	See Contrast table (2)

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
⚠	1	Power Cable	ADG7062	DDG1028	ADG7062	XDG3066	ADG7105
	5	Operating Instructions (En, Fr, De, It, Nl, Es, Ru)	DRB1497	Not used	Not used	Not used	Not used
	6	Operating Instructions (En, Fr)	Not used	DRB1496	Not used	Not used	Not used
	7	Operating Instructions (En, Es, Zhtw)	Not used	Not used	DRB1498	Not used	Not used
	8	Operating Instructions (Ko)	Not used	Not used	Not used	DRB1500	Not used
	9	Operating Instructions (Zhcn, En)	Not used	Not used	Not used	Not used	DRB1499
	11	Recycle Label (M)	Not used	Not used	Not used	DRW2307	Not used
NSP	12	Warranty Card	ARY7107	ARY7043	Not used	Not used	Not used
	17	Packing Case	DHG2953	DHG2954	DHG2955	DHG2886	DHG2885
NSP	18	Flyer	DRH1108	DRH1109	DRH1109	DRH1107	DRH1107

9.2 EXTERIOR SECTION


CUXJ only
32
41
16
15
16
43
43
9
B
26
25
34
35
19
38
A
B
C
Refer to
“9.4 CONTROL PANEL SECTION”.
C
D
2
3
E
F
5
6
1
18
38
A
10
G
38
E
F
12
G
H
29
13
4
38
20
CUXJ, LXJ, KXJ5 only
30
32
CUXJ only
8
38
D
36
21
22
K
37
14
40
Refer to
“9.3 BOTTOM SECTION”.
33
23
7
11
L
14
37
A
B
C
E
F
D
G
H
37
37
17
38
28
32
CUXJ only
27
24
31
42
39
32
CUXJ only
33
NON-CONTACT SIDE
CONTACT SIDE

(1) EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	AIN1 Assy	DWX2922
	2	TRIM1 Assy	DWX2935
	3	TRIM2 Assy	DWX2936
	4	AIN2 Assy	DWX2923
	5	TRIM3 Assy	DWX2937
	6	TRIM4 Assy	DWX2938
	7	HPJK Assy	DWX2939
	8	HREG Assy	DWX2940
	9	MCJK Assy	DWX2934
	10	20P FFC	DDD1510
	11	Connector Assy	PF04PP-D20
	12	Connector Assy	PF07EE-D10
	13	Connector Assy	PF07EE0D12
	14	Short Pin Plug	AKM7008
	15	Rotary SW Knob S (B)	DAA1178
	16	Rotary SW Knob S (C)	DAA1204
	17	Locking Mini Clamp	DEC2439
	18	Barrier (W)	DEC3271
	19	TRIM Stay	DNF1813
	20	Input Stay	DNF1819
	21	HP Stay	DNF1820
	22	Heat Sink	DNF1850
	23	Side Panel L	DNK5363
	24	Side Panel R	DNK5364
	25	Extension Shaft A	DNK5365

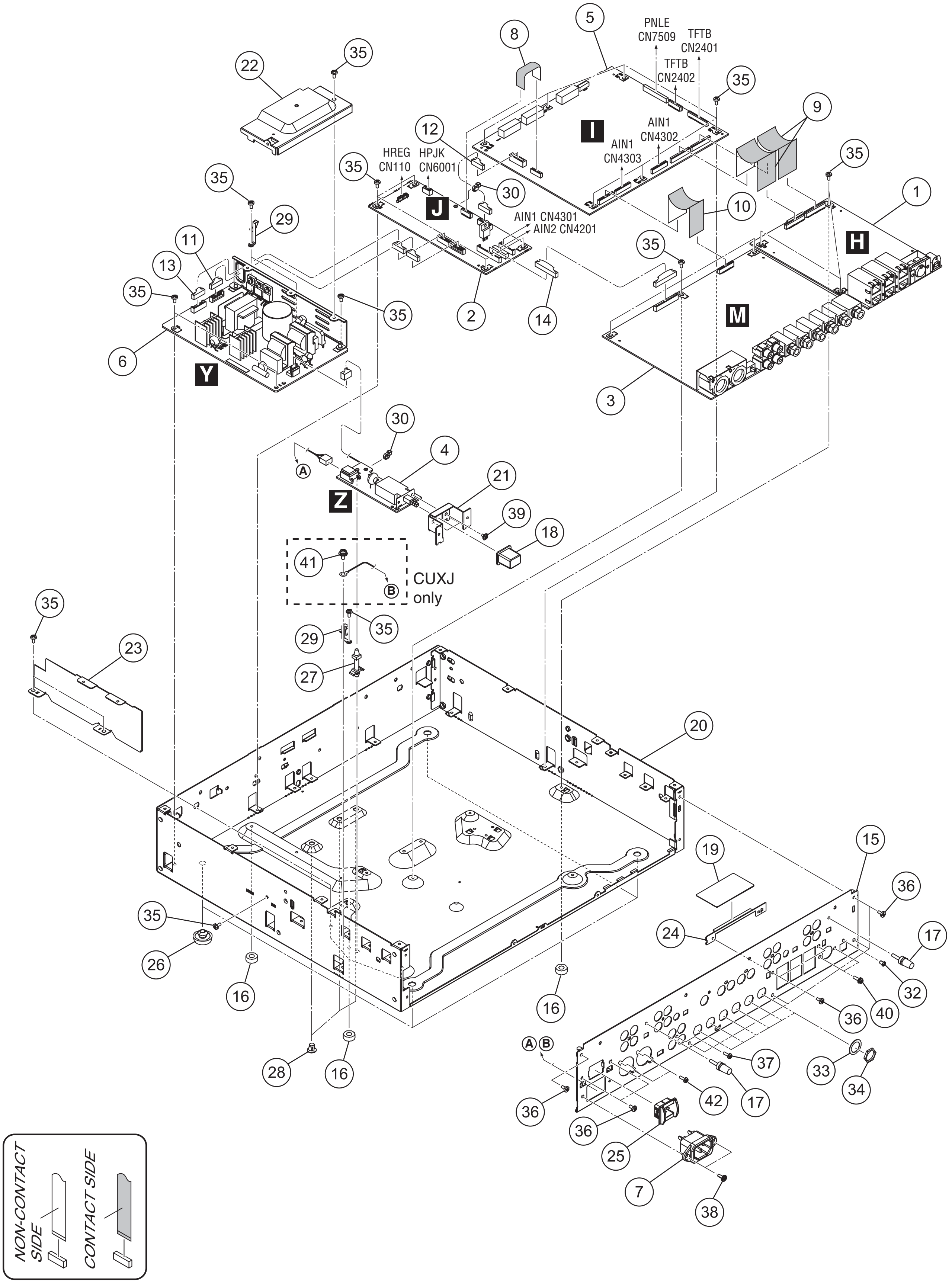
Mark	No.	Description	Part No.
	26	Extension Shaft B	DNK5366
	27	Front Panel	DNK5371
	28	Push Rivet	XEC3034
	29	Binder	ZCA-SKB90BK
NSP	30	Caution Label	See Contrast table (2)
NSP	31	Name Label	See Contrast table (2)
NSP	32	Caution Label	See Contrast table (2)
	33	Rivet (Plastic)	AEC1877
	34	Flange Nut M9	DBN1008
	35	Flange Nut M7	DBN1011
	36	Flange Nut M12	DBN1012
	37	Screw	BBZ30P060FTB
	38	Screw	BBZ30P060FTC
	39	Screw	BCZ40P060FTB
	40	Screw	BPZ30P080FTB
	41	Screw	BPZ30P100FTB
	42	Screw	BSZ40P220FTB
	43	Screw	CCZ30P080FTB

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
NSP	30	Caution Label	Not used	DRW2429	DRW2430	DRW2432	Not used
NSP	31	Name Label	DRW2423	DRW2424	DRW2425	DRW2428	DRW2427
NSP	32	Caution Label	Not used	DRW1975	Not used	Not used	Not used

9.3 BOTTOM SECTION


5
8
PNLE
CN7509
TFTB
CN2401
TFTB
CN2402
35
22
35
AIN1
CN4302
AIN1
CN4303
I
9
12
35
HREG
CN110
HPJK
CN6001
35
30
1
B
35
J
29
AIN1 CN4301
AIN2 CN4201
10
H
11
35
13
35
35
2
14
M
6
Y
3
30
4
A
21
Z
39
18
41
B
CUXJ
only
35
29
35
23
27
20
19
15
36
17
35
24
26
32
16
16
36
40
A B
37
33
34
28
16
42
17
36
36
25
7
38
NON-CONTACT
SIDE
CONTACT SIDE

(1) BOTTOM SECTION PARTS LIST

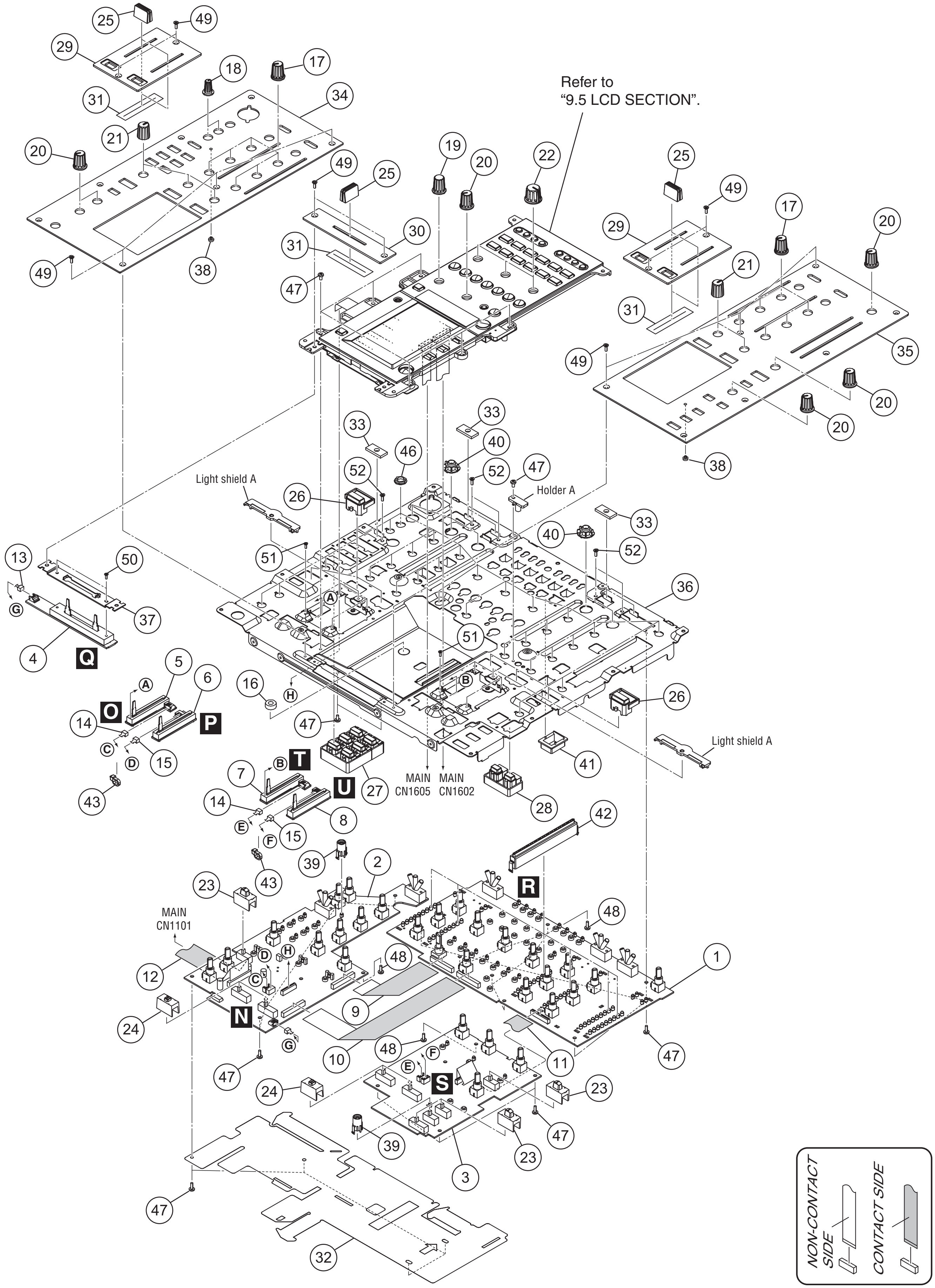
Mark	No.	Description	Part No.
	1	PCIF Assy	DWX2925
	2	HAMP Assy	DWX2919
	3	AOUT Assy	DWX2924
	4	ACSW Assy	DWX2918
	5	MAIN Assy	DWX2920
⚠	6	POWER SUPPLY Assy	DWR1473 or DWR1492
⚠	7	AC Inlet Assy	See Contrast table (2)
	8	12P FFC	DDD1507
	9	26P FFC	DDD1509
	10	20P FFC	DDD1510
	11	Connector Assy	PF06EE-D20
	12	Connector Assy	PF08PP-D10
	13	Connector Assy	PF08PP-D20
	14	Connector Assy	PF12EE-D10
	15	Rear Panel	See Contrast table (2)
NSP	16	Spacer	AEB7092
	17	Terminal Screw	AKE-031
	18	Power Knob	DAC2306
	19	Barrier (LAN)	DEC3169
NSP	20	Chassis	DNA1362
	21	Bracket PSW	DNF1759
	22	Power Shield	DNF1815
	23	AC Shield	DNF1816
	24	Earth Plate	DNF1858
	25	Power Knob Guard	DNK4534
	26	Foot (Rubber)	REC-434
NSP	27	PC Support	VEC1584
NSP	28	PC Support	VEC1749
	29	Cord Clamper (Steel)	RNH-184
	30	Binder	ZCA-SKB90BK
	31	• • • • •	
	32	Screw (M3 x5)	DBA1340
	33	Washer	DEC2920
	34	Nut (M12)	NKX2FNI
	35	Screw	BBZ30P060FTC
	36	Screw	BBZ30P060FTB
	37	Screw	BPZ30P080FTB
	38	Screw	IBZ30P080FTB
	39	Screw	IMZ30P040FTC
	40	Screw	PMH30P100FTB
	41	Screw	See Contrast table (2)
	42	Screw	PPZ30P080FTB

(2) CONTRAST TABLE

DJM-2000/SYXJ8, CUXJ, LXJ, KXJ5 and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-2000 /SYXJ8	DJM-2000 /CUXJ	DJM-2000 /LXJ	DJM-2000 /KXJ5	DJM-2000 /AXJ5
⚠	7	AC Inlet Assy (2P)	DKP3762	Not used	DKP3762	DKP3762	DKP3762
⚠	7	AC Inlet Assy (3P)	Not used	DKP3761	Not used	Not used	Not used
	15	Rear Panel	DNC1916	DNC1917	DNC1918	DNC1921	DNC1920
	41	Screw	Not used	PMH40P080FTC	Not used	Not used	Not used

9.4 CONTROL PANEL SECTION

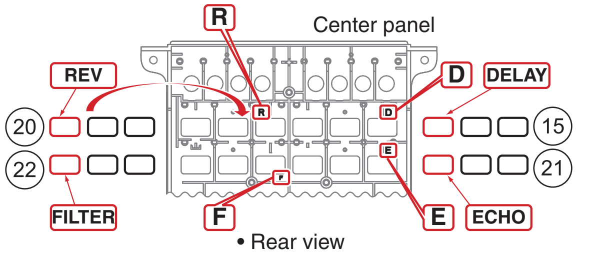

25
49
29
18
17
31
34
21
20
49
38
Refer to
“9.5 LCD SECTION”.
19
20
22
49
25
30
31
47
25
49
17
29
20
21
31
49
35
20
20
38
33
33
40
46
52
52
47
Holder A
Light shield A
26
33
40
52
51
13
50
37
G
4
Q
36
A
51
5
6
16
A
H
B
26
14
O
P
C
D
15
47
Light shield A
41
43
7
B
T
14
U
27
MAIN
CN1605
MAIN
CN1602
28
E
F
15
8
42
39
2
43
23
R
48
MAIN
CN1101
12
D
H
C
48
1
24
N
G
9
10
48
F
E
11
47
47
24
S
23
39
47
23
3
47
32
NON-CONTACT
SIDE
CONTACT SIDE

CONTROL PANEL SECTION PARTS LIST

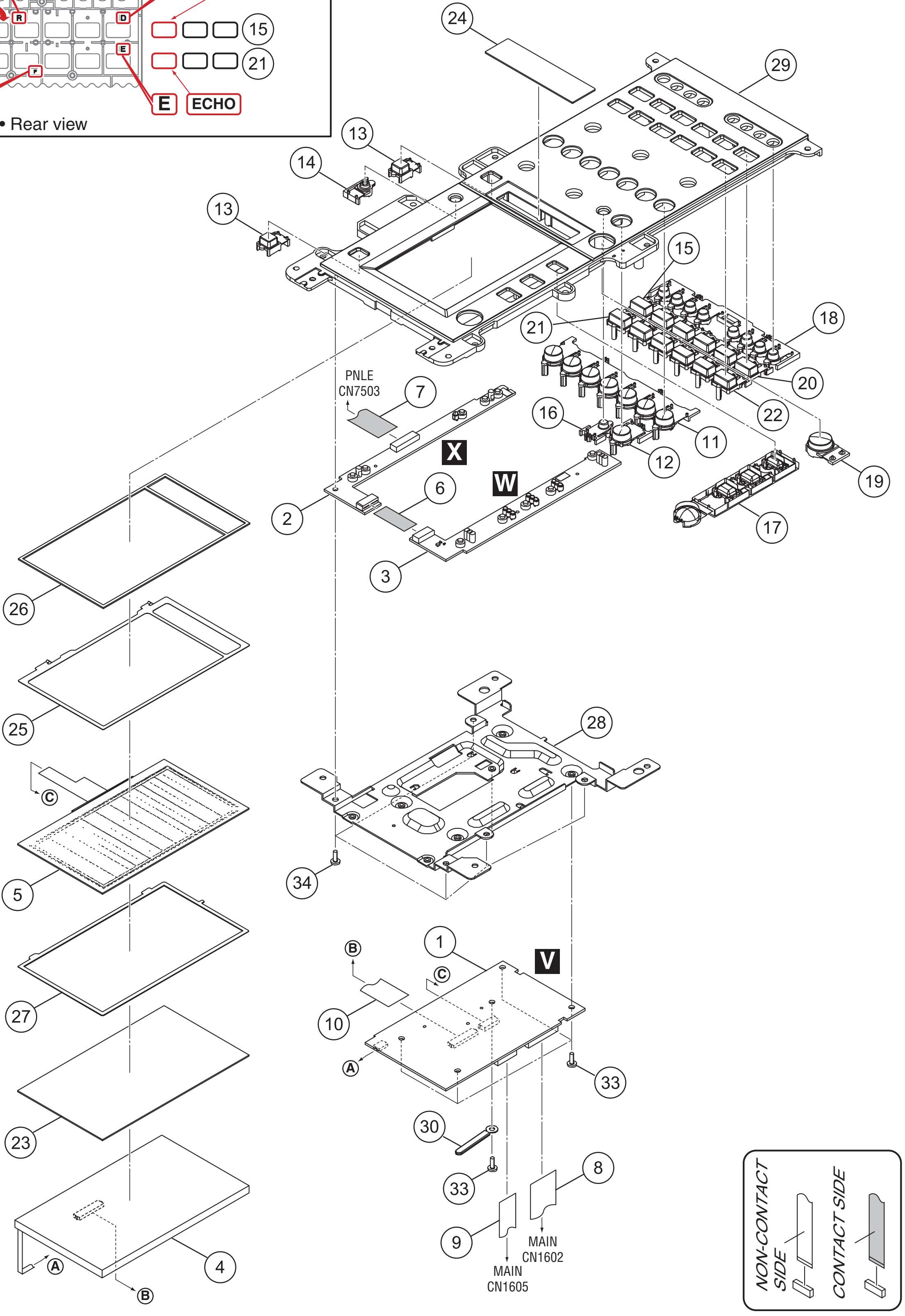
Mark	No.	Description	Part No.
	1	PNCE Assy	DWX2926
	2	PNLE Assy	DWX2927
	3	PNRI Assy	DWX2928
	4	CRFD Assy	DWX2929
	5	CFD1 Assy	DWX2930
	6	CFD2 Assy	DWX2931
	7	CFD3 Assy	DWX2932
	8	CFD4 Assy	DWX2933
	9	32P FFC	DDD1504
	10	32P FFC	DDD1505
	11	25P FFC	DDD1506
	12	32P FFC	DDD1508
	13	Connector Assy	PF03PP-B10
	14	Connector Assy	PF04PP-B05
	15	Connector Assy	PF04PP2B05
NSP	16	Spacer	AEB7092
	17	Rotary SW Knob (B)	DAA1176
	18	Rotary SW Knob S (A)	DAA1177
	19	Rotary SW Knob (C)	DAA1180
	20	Rotary Knob (BN)	DAA1220
	21	Knob (RES)	DAA1250
	22	Knob (FREQUENCY)	DAA1253
	23	Slide SW Cap	DAC2400
	24	Slide SW Cap (W)	DAC2401
	25	Slider Knob	DAC2501
	26	Button (CUE)	DAC2503
	27	Button (CFX)	DAC2510
	28	Button (MIDI)	DAC2511
	29	CHF Panel	DAH2691
	30	CRF Panel	DAH2692
	31	Fader Packing	DEC2903
	32	Barrier (Panel)	DEC3171
	33	SW Packing	DED1177
	34	Control Panel L	DNB1168
	35	Control Panel R	DNB1169
	36	Panel Stay	DNF1812
	37	CRF Stay	DNF1855
	38	Lens	DNK4532
	39	Lens Holder	DNK4533
	40	Bush	DNK5367
	41	Light Shield	DNK5583
	42	Level Meter Assy	DXB1882
	43	Binder	ZCA-SKB90BK
	44	• • • • •	
	45	• • • • •	
	46	Flange Nut M9	DBN1008
	47	Screw	BBZ30P060FTC
	48	Screw	BPZ30P080FTB
	49	Screw	CCZ30P080FTB
	50	Screw	IMZ30P040FTC
	51	Screw	PMA20P040FTC
	52	Screw	AMZ26P040FTC

9.5 LCD SECTION

Note:
The shape of the groups of buttons 15, 20, 21, and 22 is the same. To identify the attachment position of each group of buttons during reassembly, the initial letter of the name of the left button of a group is engraved on the back of the Center panel (No. 29).


R
Center panel
REV
D
DELAY
20
15
22
21
FILTER
F
E
ECHO
R
D
E
F

• Rear view

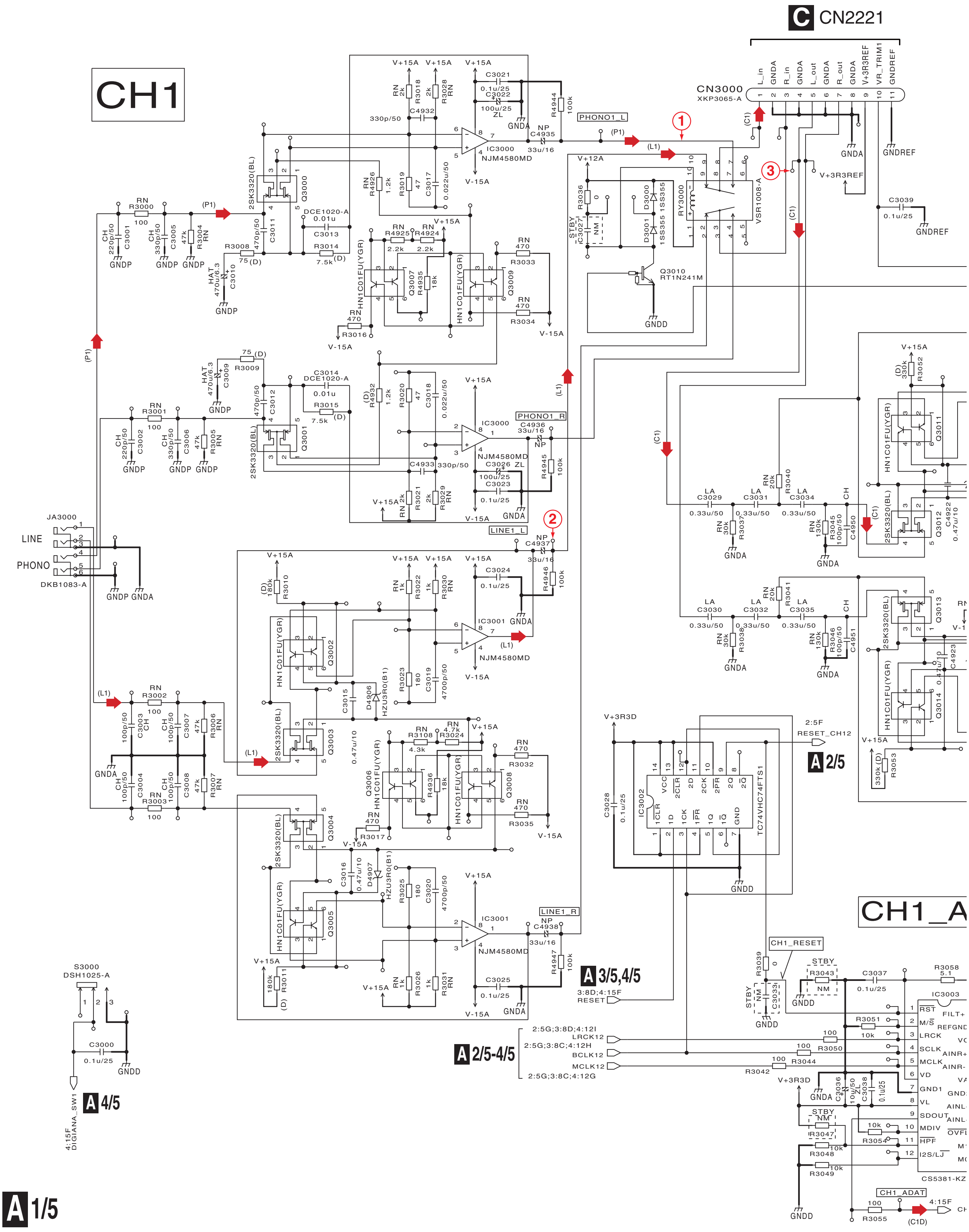

24
29
13
14
13
15
18
21
20
22
16
11
12
19
17
PNLE
CN7503
7
X
6
W
2
3
26
25
C
5
28
34
27
B
1
C
V
10
A
33
23
30
33
8
9
MAIN
CN1602
MAIN
CN1605
4
A
B
NON-CONTACT SIDE
CONTACT SIDE

LCD SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	TFTB Assy	DWX2921
	2	TPLE Assy	DWX3010
	3	TPRI Assy	DWX3011
	4	LCD	CWX3868
	5	Touch Panel	DSX1081
	6	12P FFC	DDD1507
	7	19P FFC	DDD1513
	8	26P FFC	DDD1514
	9	16P FFC	DDD1515
	10	40P FFC	DDD1541
	11	Button (BEAT)	DAC2502
	12	Button (TAP)	DAC2504
	13	Button (CUE) S	DAC2505
	14	Button (SETTING)	DAC2506
	15	Button (FX SEL A)	DAC2507
	16	Button (AUTO)	DAC2508
	17	Button (REMIX)	DAC2509
	18	Button (CH SEL)	DAC2512
	19	Button (FX)	DAC2513
	20	Button (FX SEL B)	DAC2597
	21	Button (FX SEL C)	DAC2598
	22	Button (FX SEL D)	DAC2599
	23	Protect Plate	DAH2767
	24	Display Plate (PC)	DAH2768
	25	TFT Earth Spring	DBK1367
	26	Touch Panel Pad	DEC3168
	27	Touch Panel Spacer	DEC3269
	28	LCD Stay	DNF1818
	29	Center Panel	DNK5370
	30	Cord Clamper (Steel)	RNH-184
	31	•••••	
	32	•••••	
	33	Screw	BBZ30P060FTC
	34	Screw	BPZ30P080FTB

10. SCHEMATIC DIAGRAM

10.1 AIN1 ASSY (1/5)



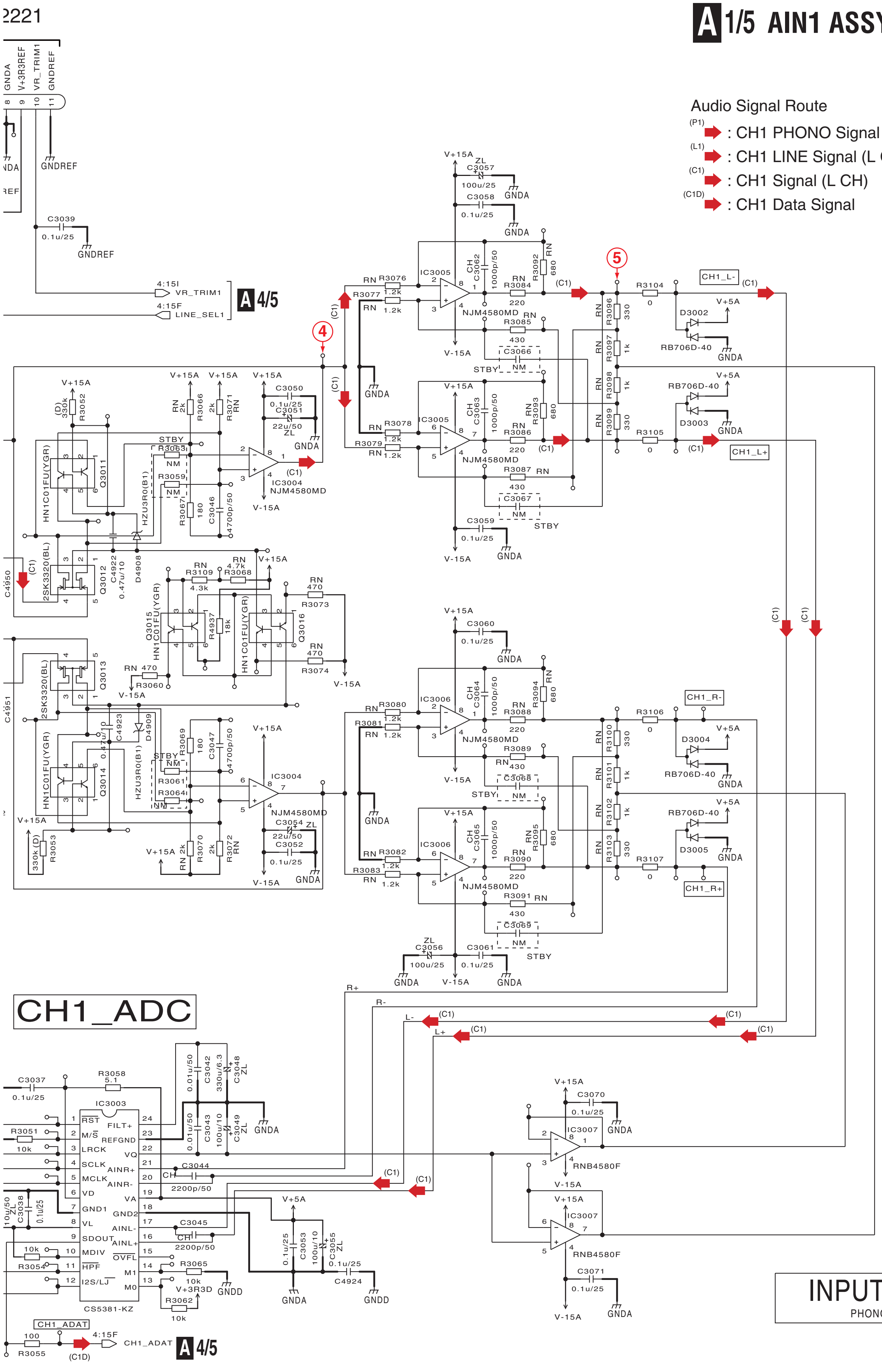
CH1
C CN2221
CN3000
XKP3065-A
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM1
GNDREF
V+3R3REF
C3039
0.1u/25
GNDREF
①
②
③
PHONO1_L
PHONO1_R
LINE1_L
LINE1_R
IC3000
NJM4580MD
IC3001
NJM4580MD
RY3000
VSR1008-A
Q3010
RT1N241M
D3000
D3001
1SS355
STBY
IC3027
NM
R3036
V+12A
GNDD
JA3000
DKB1083-A
LINE
PHONO
GNDP
GNDA
R3000
R3001
R3002
R3003
100
C3001
C3002
220p/50
C3005
C3006
330p/50
R3004
R3005
47k
R3008
R3009
75 (D)
C3010
C3009
HAT
470u/6.3
C3011
C3012
470p/50
Q3000
Q3001
2SK3320(BL)
DCE1020-A
C3013
C3014
0.01u
R3014
R3015
7.5k (D)
R4926
R4932
R3019
R3020
47
C3017
C3018
0.022u/50
R3018
R3028
R3021
R3029
2k
C4932
C4933
330p/50
C3021
C3023
0.1u/25
C3022
C3026
100u/25 ZL
C4935
C4936
C4937
C4938
NP
33u/16
R4944
R4945
R4946
R4947
100k
HN1C01FU(YGR)
Q3007
Q3009
R4925
R4924
2.2k
R4935
R4936
18k
R3033
R3034
R3016
R3017
R3032
R3035
470
V+15A
V-15A
(P1)
(L1)
(C1)
(D)
R3010
180k
R3011
Q3002
Q3003
Q3004
Q3005
Q3006
Q3008
C3015
C3016
0.47u/10
D4906
D4907
HZU3R0(B1)
R3022
R3030
R3026
R3031
1k
R3023
R3025
180
C3019
C3020
4700p/50
C3024
C3025
R3108
4.3k
R3024
4.7k
C3003
C3004
C3007
C3008
100p/50
R3006
R3007
GNDP
C3029
C3030
C3031
C3032
C3034
C3035
0.33u/50
LA
R3040
R3041
20k
R3037
R3038
30k
R3045
R3046
130k
C4950
C4951
100p/50
Q3011
Q3012
Q3013
Q3014
C4922
C4923
0.47u/10
R3052
R3053
330k (D)
IC3002
TC74VHC74FTS1
V+3R3D
C3028
0.1u/25
2:5F
RESET_CH12
A 2/5
CH1_A
CH1_RESET
R3039
C3033
STBY
R3043
C3037
R3058
5.1
IC3003
CS5381-KZ
RST
M/S
LRCK
SCLK
MCLK
VD
GND1
VL
SDOUT
MDIV
HPF
I2S/LJ
FILT+
REFGND
AINR+
AINR-
AINL
OVFL
R3051
10k
R3050
R3044
R3042
R3047
R3048
R3049
R3054
C3036
C3038
10u/50
R3055
CH1_ADAT
4:15F
(C1D)
A 3/5,4/5
3:8D;4:15F
RESET
A 2/5-4/5
2:5G;3:8D;4:12I
LRCK12
2:5G;3:8C;4:12H
BCLK12
MCLK12
2:5G;3:8C;4:12G
S3000
DSH1025-A
C3000
0.1u/25
GNDD
4:15F
DIGIANA_SW1
A 4/5

A 1/5

A 1/5 AIN1 ASSY (DWX2922)

Audio Signal Route

(P1)	: CH1 PHONO Signal (L CH)
(L1)	: CH1 LINE Signal (L CH)
(C1)	: CH1 Signal (L CH)
(C1D)	: CH1 Data Signal

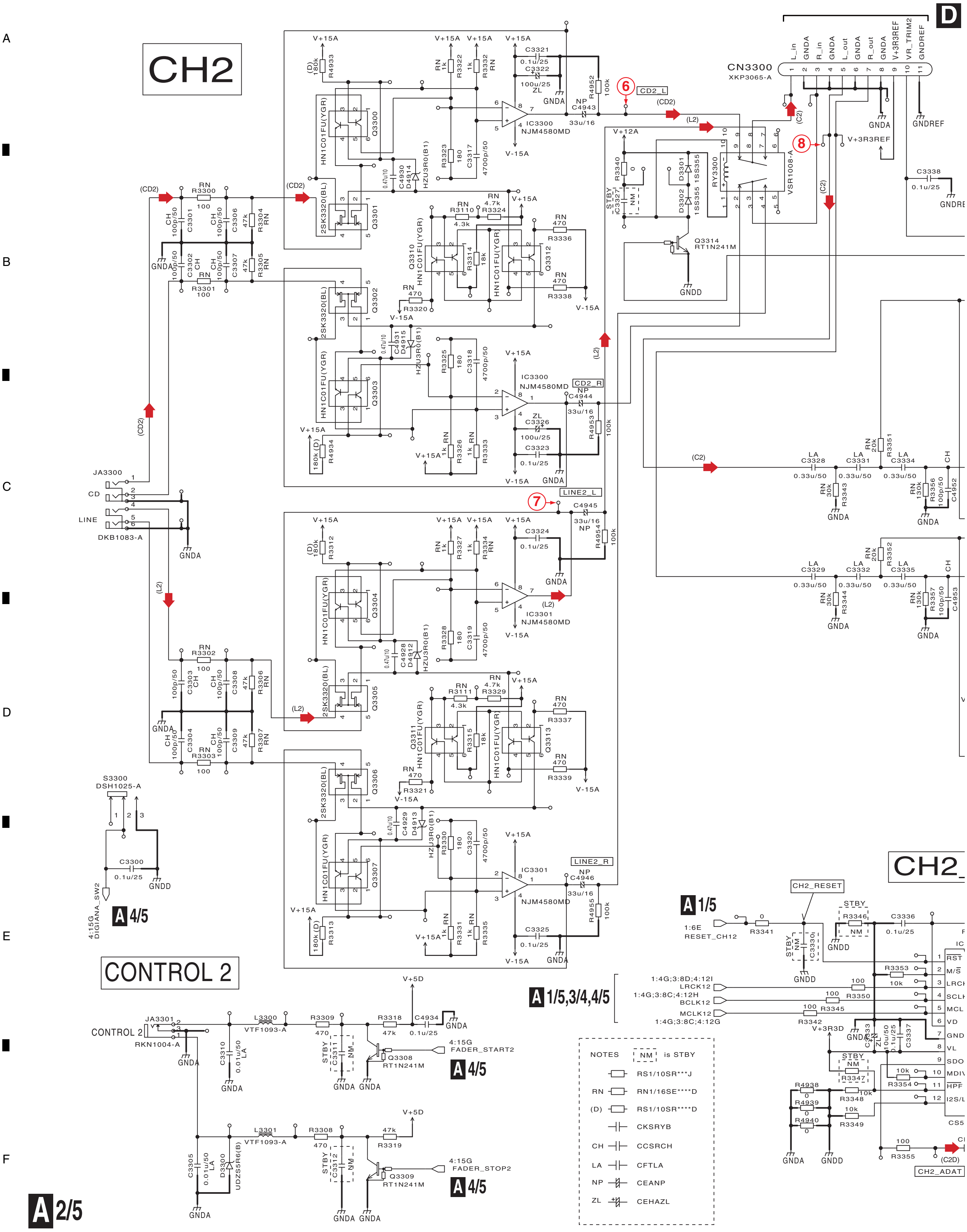

2221
GNDA
V+3R3REF
VR_TRIM1
GNDREF
GNDREF
C3039
0.1u/25
GNDREF
4:15I
VR_TRIM1
4:15F
LINE_SEL1
A 4/5
4
5
V+15A
C3057
ZL
100u/25
GNDA
C3058
0.1u/25
GNDA
IC3005
NJM4580MD
R3076
R3077
1.2k
RN
CH
C3062
1000p/50
R3084
220
R3092
680
R3085
430
C3066
NM
STBY
R3104
0
CH1_L-
CH1_L+
D3002
D3003
RB706D-40
V+5A
R3096
330
R3097
1k
R3098
1k
R3099
330
R3078
R3079
C3063
R3086
R3093
R3087
C3067
R3105
C3059
V-15A
(C1)
GNDA
STBY
HN1C01FU(YGR)
Q3011
HZU3R0(B1)
R3052
330k
(D)
R3066
2k
R3071
R3063
R3059
R3067
180
C3046
4700p/50
C3050
0.1u/25
C3051
22u/50
ZL
IC3004
NJM4580MD
2SK3320(BL)
Q3012
C4922
0.47u/10
D4908
C4950
R3109
4.3k
R3068
4.7k
R3073
470
R3074
Q3015
Q3016
R4937
18k
R3060
470
Q3013
C4951
C4923
D4909
Q3014
R3069
R3061
R3064
C3047
R3053
R3070
R3072
C3054
C3052
IC3006
R3080
R3081
C3064
R3088
R3094
R3089
C3068
R3106
CH1_R-
CH1_R+
D3004
D3005
R3100
R3101
R3102
R3103
R3082
R3083
C3065
R3090
R3095
R3091
C3069
R3107
C3056
100u/25
C3061
C3060
R+
R-
L-
L+
CH1_ADC
C3037
R3058
5.1
IC3003
R3051
10k
RST
M/S
LRCK
SCLK
MCLK
VD
GND1
VL
SDOUT
MDIV
HPF
I2S/LJ
FILT+
REFGND
VQ
AINR+
AINR-
VA
GND2
AINL-
AINL+
OVFL
M1
M0
CS5381-KZ
C3042
0.01u/50
C3048
330u/6.3
C3043
C3049
100u/10
C3044
2200p/50
C3045
C3038
R3054
R3065
10k
V+3R3D
GNDD
R3062
C3053
C3055
C4924
GNDD
CH1_ADAT
R3055
100
4:15F
(C1D)
IC3007
RNB4580F
C3070
C3071

NOTES	NM is STBY
	RS1/10SR***J
RN	RN1/16SE****D
(D)	RS1/10SR****D
	CKSRYB
CH	CCSRCH
LA	CFTLA
NP	CEANP
HAT	CEHAT
ZL	CEHAZL

INPUT CH1
PHONO / LINE

A 1/5

10.2 AIN1 ASSY (2/5)



1
2
3
4
A
B
C
D
E
F
CH2
D
CN3300
XKP3065-A
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM2
GNDREF
GNDREF
V+3R3REF
⑥
⑦
⑧
CD2_L
CD2_R
LINE2_L
LINE2_R
(CD2)
(L2)
(C2)
V+15A
V-15A
V+12A
GNDA
GNDD
IC3300
NJM4580MD
IC3301
NJM4580MD
C3321
0.1u/25
C3322
100u/25
ZL
C4943
NP
33u/16
R4952
100k
RY3300
VSR1008-A
D3301
D3302
1SS355
C3327
STBY
NM
R3340
0
Q3314
RT1N241M
Q3300
Q3301
Q3302
Q3303
Q3304
Q3305
Q3306
Q3307
HN1C01FU(YGR)
2SK3320(BL)
Q3310
Q3311
Q3312
Q3313
D4914
D4915
D4912
D4913
HZU3R0(B1)
C4930
C4931
C4928
C4929
0.47u/10
R4933
R4934
R3312
R3313
180k
(D)
R3322
R3332
R3323
R3325
R3326
R3327
R3328
R3330
R3331
R3333
R3334
R3335
1k
RN
180
C3317
C3318
C3319
C3320
4700p/50
R3110
R3111
4.3k
R3324
R3329
4.7k
R3314
R3315
18k
R3336
R3337
R3338
R3339
R3320
R3321
470
C4944
C4945
C4946
R4953
R4954
R4955
C3326
C3323
C3324
C3325
R3300
R3301
R3302
R3303
100
C3301
C3302
C3303
C3304
C3306
C3307
C3308
C3309
100p/50
CH
R3304
R3305
R3306
R3307
47k
JA3300
DKB1083-A
CD
LINE
S3300
DSH1025-A
C3300
0.1u/25
4:15G
DIGIANA_SW2
A 4/5
CONTROL 2
JA3301
RKN1004-A
L3300
L3301
VTF1093-A
R3309
R3308
R3318
R3319
C4934
C3310
C3305
0.01u/50
LA
D3300
UDZS5R6(B)
V+5D
C3311
C3312
Q3308
Q3309
4:15G
FADER_START2
FADER_STOP2
A 4/5
A 2/5
C3328
C3329
C3331
C3332
C3334
C3335
0.33u/50
R3343
R3344
30k
R3351
R3352
20k
R3356
R3357
130k
C4952
C4953
A 1/5
1:6E
RESET_CH12
CH2_RESET
R3341
C3330
R3346
C3336
A 1/5,3/4,4/5
1:4G;3:8D;4:12I
LRCK12
1:4G;3:8C;4:12H
BCLK12
1:4G;3:8C;4:12G
MCLK12
R3353
10k
R3350
R3345
R3342
V+3R3D
C3333
C3337
R3347
R3348
R3349
R3354
R4938
R4939
R4940
R3355
(C2D)
CH2_ADAT
RST
M/S
LRCK
SCLK
MCL
VD
GND
VL
SDO
MDIV
HPF
I2S/L
CS5
NOTES
NM is STBY
RS1/10SR***J
RN RN1/16SE****D
(D) RS1/10SR****D
CKSRYB
CH CCSRCH
LA CFTLA
NP CEANP
ZL CEHAZL

A 2/5 AIN1 ASSY (DWX2922)

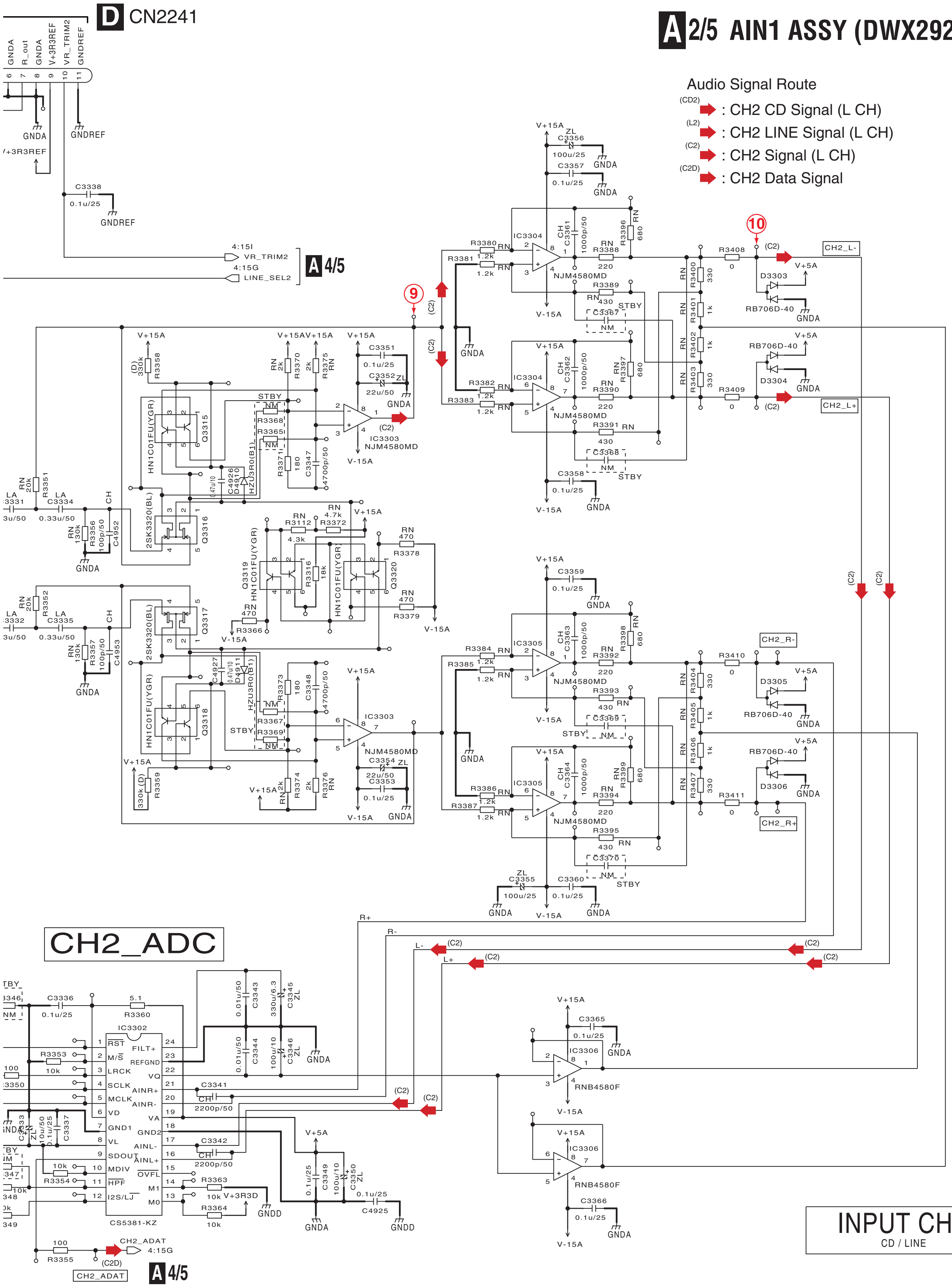
Audio Signal Route

(CD2) ➡ : CH2 CD Signal (L CH)

(L2) ➡ : CH2 LINE Signal (L CH)

(C2) ➡ : CH2 Signal (L CH)

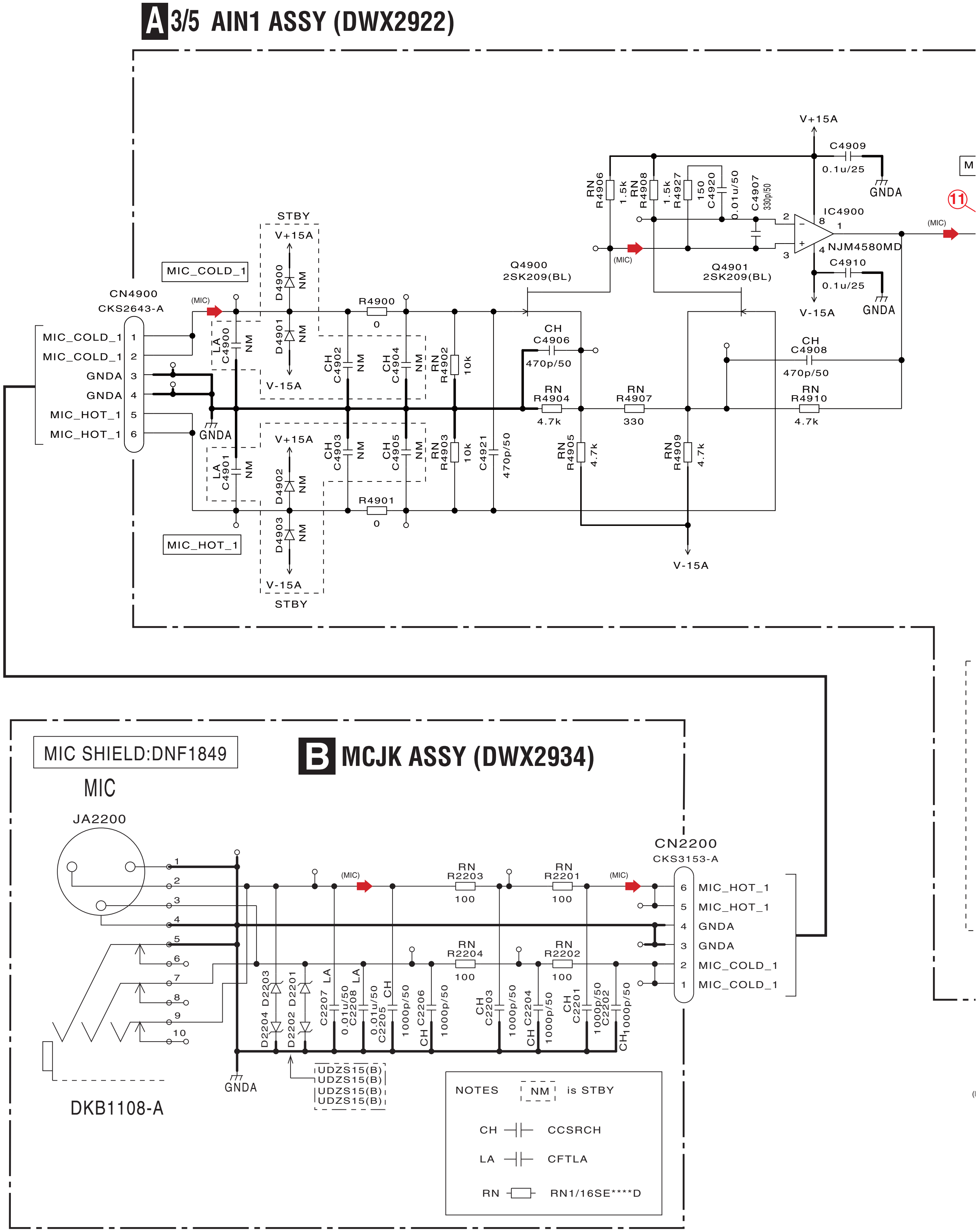
(C2D) ➡ : CH2 Data Signal


D CN2241
6 GNDA
7 R_out
8 GNDA
9 V+3R3REF
10 VR_TRIM2
11 GNDREF
GNDA
GNDREF
V+3R3REF
C3338 0.1u/25
GNDREF
4:15I VR_TRIM2
4:15G LINE_SEL2
A 4/5
9
10
IC3304 NJM4580MD
IC3305 NJM4580MD
IC3303 NJM4580MD
IC3306 RNB4580F
IC3302 CS5381-KZ
Q3315 HN1C01FU(YGR)
Q3316 2SK3320(BL)
Q3317 2SK3320(BL)
Q3318 HN1C01FU(YGR)
Q3319 HN1C01FU(YGR)
Q3320 HN1C01FU(YGR)
D3303 RB706D-40
D3304 RB706D-40
D3305 RB706D-40
D3306 RB706D-40
D4910 HZU3R0(B1)
D4911 HZU3R0(B1)
CH2_L-
CH2_L+
CH2_R-
CH2_R+
V+15A
V-15A
V+5A
GNDA
GNDD
STBY
CH2_ADC
RST
M/S
LRCK
SCLK
MCLK
VD
GND1
VL
SDOUT
MDIV
HPF
I2S/LJ
FILT+
REFGND
VQ
AINR+
AINR-
VA
GND2
AINL-
AINL+
OVFL
M1
M0
R+
R-
L-
L+
(C2)
(C2D)
CH2_ADAT 4:15G
CH2_ADAT
A 4/5
R3355 100
R3360 5.1
R3353 10k
R3354 10k
R3363 10k
R3364 10k
V+3R3D
C3336 0.1u/25
C3341 2200p/50
C3342 2200p/50
C3343 0.01u/50
C3344 0.01u/50
C3345 330u/6.3
C3346 100u/10
C3349 0.1u/25
C3350 100u/10
C4925 0.1u/25
C3365 0.1u/25
C3366 0.1u/25
C3355 100u/25
C3356 100u/25
C3357 0.1u/25
C3358 0.1u/25
C3359 0.1u/25
C3360 0.1u/25
C3361 1000p/50
C3362 1000p/50
C3363 1000p/50
C3364 1000p/50
C3351 0.1u/25
C3352 22u/50
C3353 0.1u/25
C3354 22u/50
C3347 4700p/50
C3348 4700p/50
C3331 3u/50
C3332 3u/50
C3334 0.33u/50
C3335 0.33u/50
R3356 100p/50
R3357 100p/50
C4952
C4953
R3351 20k
R3352 20k
130k
R3358 330k
R3359 330k
R3370 2k
R3375 2k
R3374 2k
R3376 2k
R3371 180
R3373 180
R3368 NM
R3365 NM
R3367 NM
R3369 NM
R3112 4.3k
R3372 4.7k
R3316 18k
R3378 470
R3379 470
R3366 470
R3380 1.2k
R3381 1.2k
R3382 1.2k
R3383 1.2k
R3384 1.2k
R3385 1.2k
R3386 1.2k
R3387 1.2k
R3388 220
R3390 220
R3392 220
R3394 220
R3389 430
R3391 430
R3393 430
R3395 430
R3396 680
R3397 680
R3398 680
R3399 680
R3400 330
R3401 1k
R3402 1k
R3403 330
R3404 330
R3405 1k
R3406 1k
R3407 330
R3408 0
R3409 0
R3410 0
R3411 0
C3367 NM
C3368 NM
C3369 NM
C3370 NM
C4926 0.47u/10
C4927 0.47u/10
RN
ZL
LA
CH

INPUT CH2
CD / LINE

A 2/5

10.3 AIN1 (3/5) and MCJK ASSYS

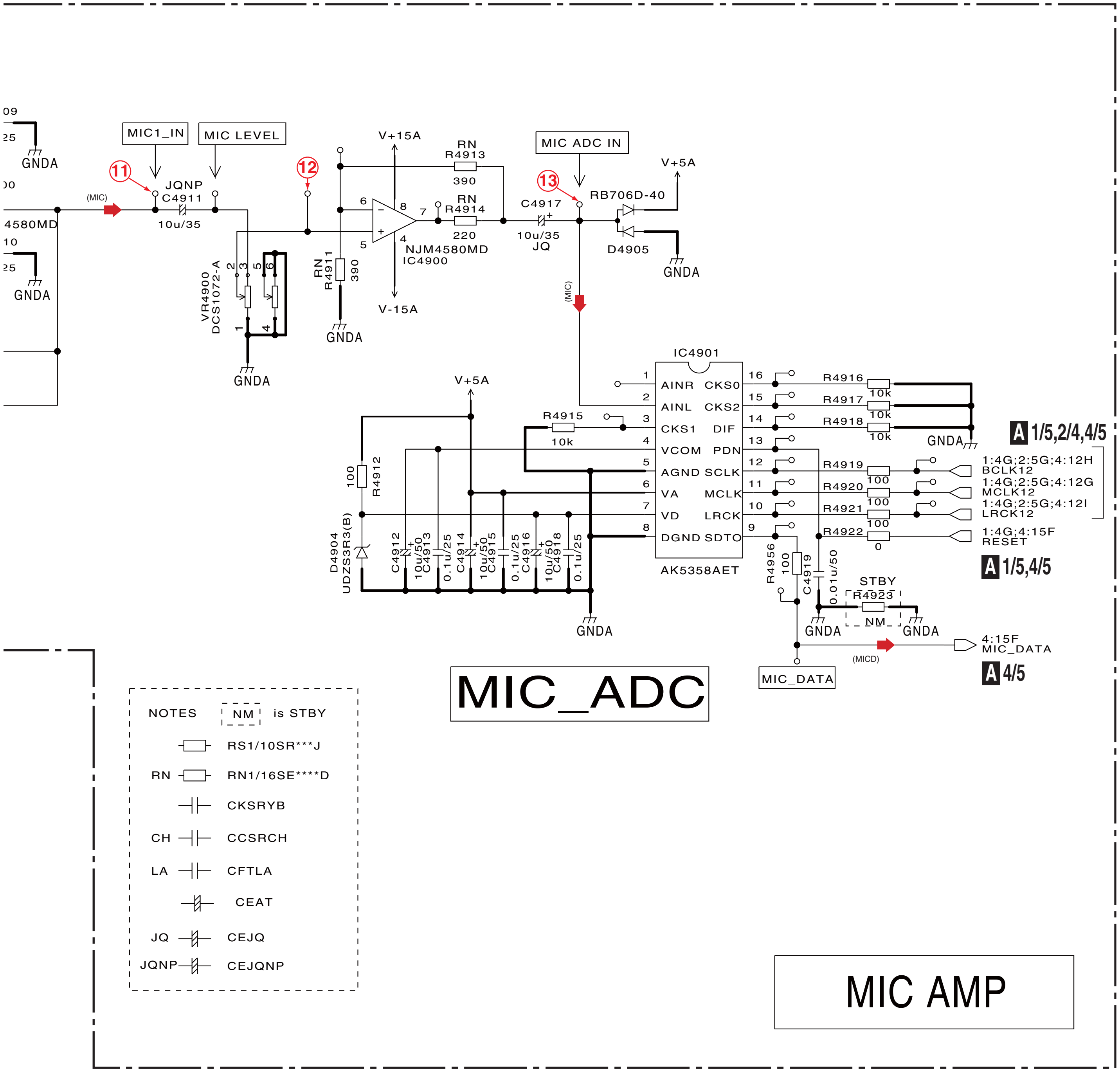

A 3/5 AIN1 ASSY (DWX2922)
V+15A
C4909
0.1u/25
GNDA
M
11
RN R4906 1.5k
RN R4908 1.5k
RN R4927 150
C4920 0.01u/50
C4907 330p/50
IC4900
NJM4580MD
(MIC)
C4910
0.1u/25
V-15A
GNDA
STBY
V+15A
MIC_COLD_1
D4900 NM
Q4900 2SK209(BL)
Q4901 2SK209(BL)
CN4900
CKS2643-A
R4900 0
CH C4906 470p/50
CH C4908 470p/50
MIC_COLD_1 1
MIC_COLD_1 2
GNDA 3
GNDA 4
MIC_HOT_1 5
MIC_HOT_1 6
LA C4900 NM
D4901 NM
CH C4902 NM
CH C4904 NM
RN R4902 10k
V-15A
RN R4904 4.7k
RN R4907 330
RN R4910 4.7k
GNDA
V+15A
LA C4901 NM
D4902 NM
CH C4903 NM
CH C4905 NM
RN R4903 10k
C4921 470p/50
RN R4905 4.7k
RN R4909 4.7k
R4901 0
MIC_HOT_1
D4903 NM
V-15A
STBY
V-15A
B MCJK ASSY (DWX2934)
MIC SHIELD:DNF1849
MIC
JA2200
1 2 3 4 5 6 7 8 9 10
DKB1108-A
GNDA
RN R2203 100
RN R2201 100
RN R2204 100
RN R2202 100
CN2200
CKS3153-A
6 MIC_HOT_1
5 MIC_HOT_1
4 GNDA
3 GNDA
2 MIC_COLD_1
1 MIC_COLD_1
D2204 D2203
D2202 D2201
C2207 LA 0.01u/50
C2208 LA 0.01u/50
C2205 CH 1000p/50
CH C2206 1000p/50
CH C2203 1000p/50
CH C2204 1000p/50
CH C2201 1000p/50
C2202 CH 1000p/50
UDZS15(B)
UDZS15(B)
UDZS15(B)
UDZS15(B)

NOTES NM is STBY

CH CCSRCH

LA CFTLA

RN RN1/16SE****D


MIC1_IN
MIC LEVEL
MIC ADC IN
⑪
⑫
⑬
(MIC)
JQNP
C4911
10u/35
4580MD
GNDA
VR4900
DCS1072-A
V+15A
V-15A
RN
R4913
390
RN
R4914
220
NJM4580MD
IC4900
RN
R4911
390
C4917
10u/35
JQ
RB706D-40
D4905
V+5A
IC4901
AINR CKS0
AINL CKS2
CKS1 DIF
VCOM PDN
AGND SCLK
VA MCLK
VD LRCK
DGND SDTO
AK5358AET
R4915
10k
R4912
100
D4904
UDZS3R3(B)
C4912
10u/50
C4913
0.1u/25
C4914
10u/50
C4915
0.1u/25
C4916
10u/50
C4918
0.1u/25
R4916
R4917
R4918
10k
R4919
R4920
R4921
100
R4922
0
1:4G;2:5G;4:12H
BCLK12
1:4G;2:5G;4:12G
MCLK12
1:4G;2:5G;4:12I
LRCK12
1:4G;4:15F
RESET
A 1/5,2/4,4/5
A 1/5,4/5
R4956
100
C4919
0.01u/50
STBY
R4923
NM
(MICD)
4:15F
MIC_DATA
A 4/5
MIC_DATA
MIC_ADC
MIC AMP
NOTES NM is STBY
RS1/10SR***J
RN RN1/16SE****D
CKSRYB
CH CCSRCH
LA CFTLA
CEAT
JQ CEJQ
JQNP CEJQNP

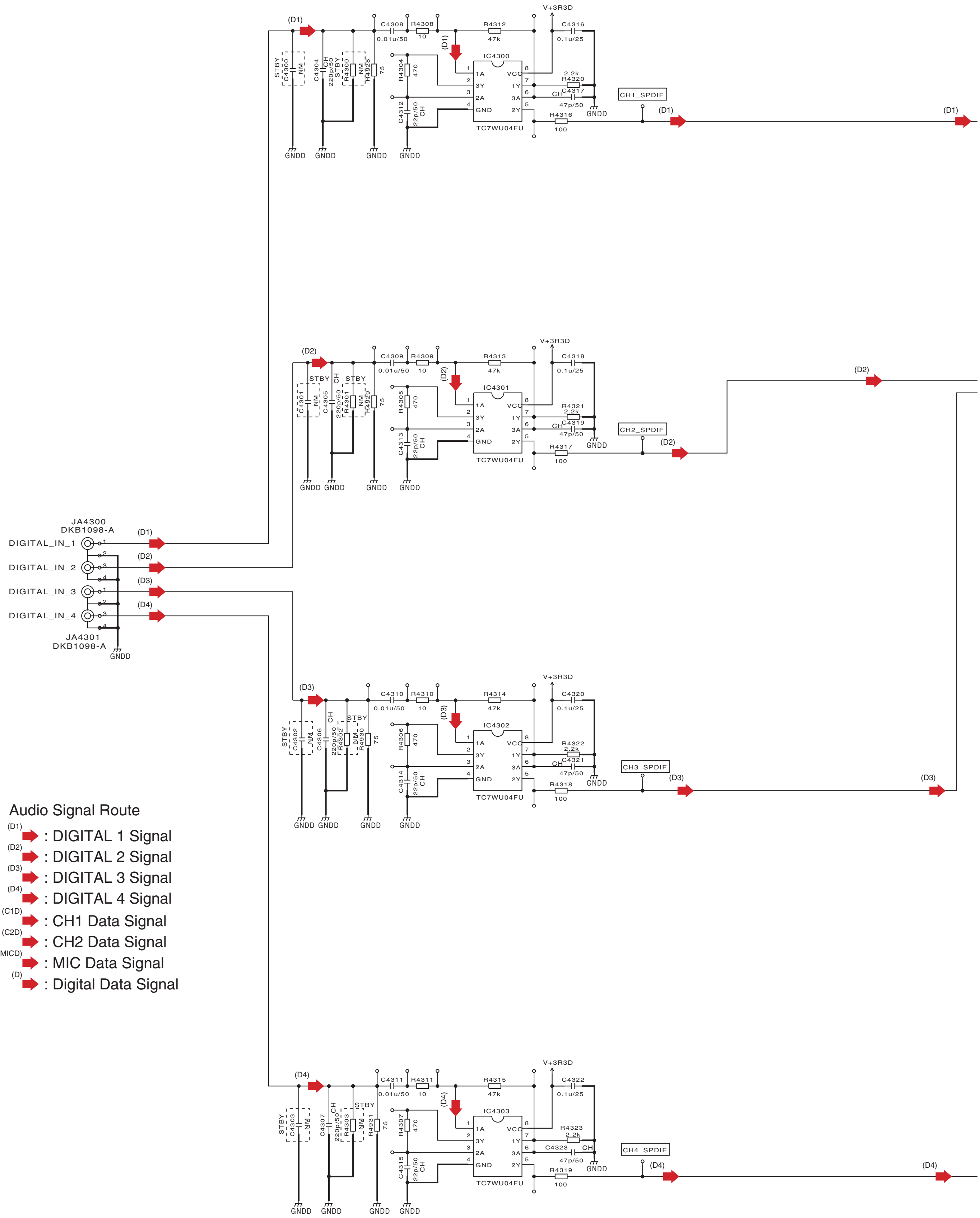
Audio Signal Route

(MIC) 🡆 : MIC Signal (L CH)

(MICD) 🡆 : MIC Data Signal

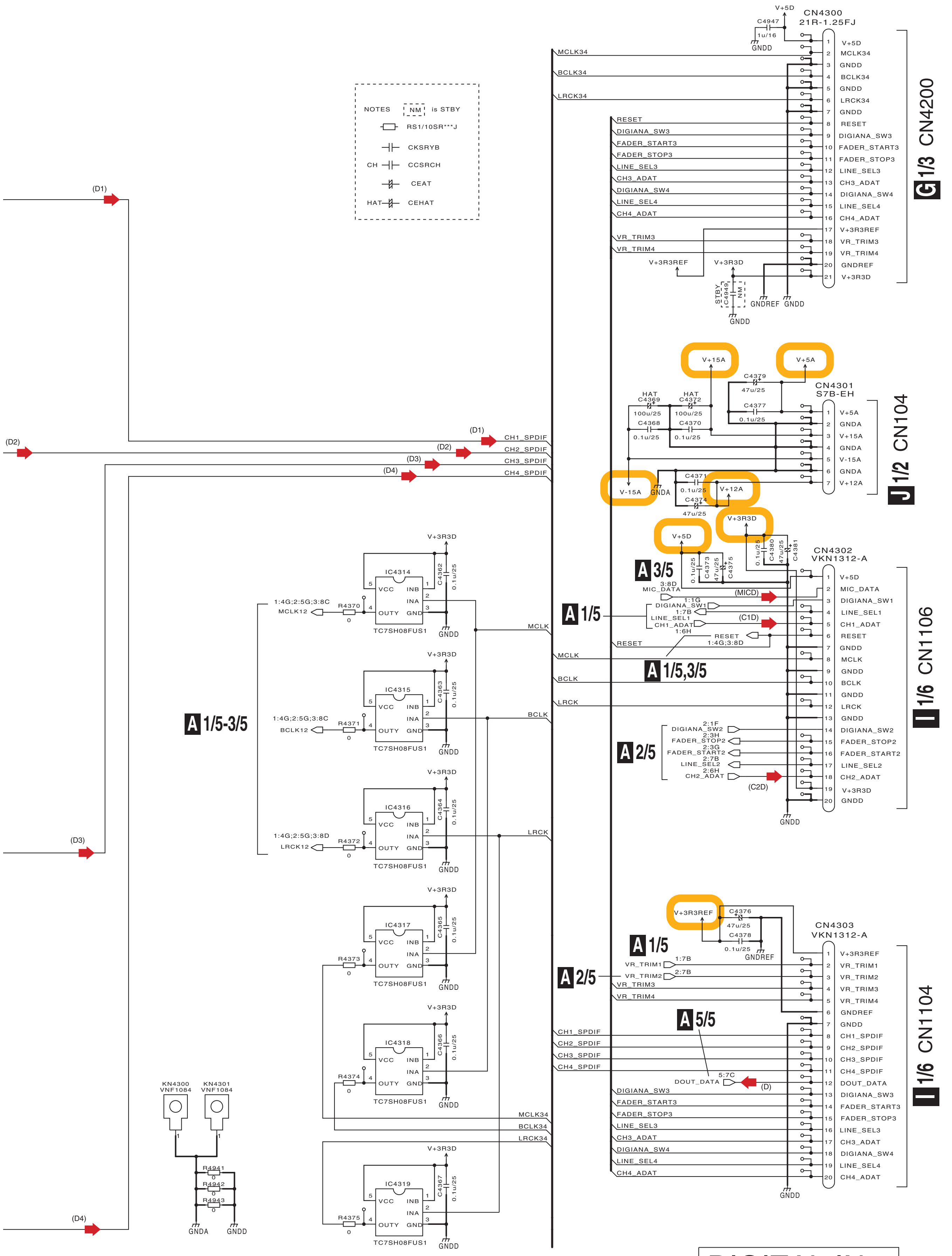
10.4 AIN1 ASSY (4/5)

A 4/5 AIN1 ASSY (DWX2922)


(D1)
(D2)
(D3)
(D4)
C4308
0.01u/50
R4308
10
R4312
47k
V+3R3D
C4316
0.1u/25
IC4300
TC7WU04FU
1A
3Y
2A
GND
VCC
1Y
3A
2Y
STBY
C4300
NM
C4304
CH
220p/50
R4300
R4926
75
R4304
470
C4312
22p/50
R4320
2.2k
C4317
47p/50
R4316
100
CH1_SPDIF
GNDD
C4309
0.01u/50
R4309
10
R4313
47k
C4318
0.1u/25
IC4301
C4301
C4305
R4301
R4929
R4305
C4313
R4321
C4319
R4317
CH2_SPDIF
C4310
R4310
R4314
C4320
IC4302
C4302
C4306
R4302
R4930
R4306
C4314
R4322
C4321
R4318
CH3_SPDIF
C4311
R4311
R4315
C4322
IC4303
C4303
C4307
R4303
R4931
R4307
C4315
R4323
C4323
R4319
CH4_SPDIF
JA4300
DKB1098-A
DIGITAL_IN_1
DIGITAL_IN_2
DIGITAL_IN_3
DIGITAL_IN_4
JA4301
DKB1098-A
GNDD

Audio Signal Route

(D1) ➡ : DIGITAL 1 Signal
(D2) ➡ : DIGITAL 2 Signal
(D3) ➡ : DIGITAL 3 Signal
(D4) ➡ : DIGITAL 4 Signal
(C1D) ➡ : CH1 Data Signal
(C2D) ➡ : CH2 Data Signal
(MICD) ➡ : MIC Data Signal
(D) ➡ : Digital Data Signal

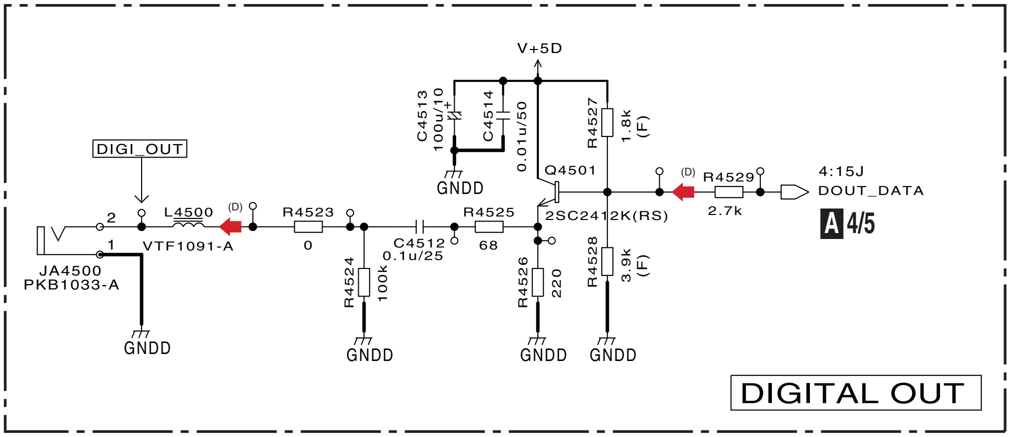

NOTES
NM is STBY
RS1/10SR***J
CKSRYB
CH CCSRCH
CEAT
HAT CEHAT
V+5D
C4947
1u/16
GNDD
CN4300
21R-1.25FJ
MCLK34
BCLK34
LRCK34
RESET
DIGIANA_SW3
FADER_START3
FADER_STOP3
LINE_SEL3
CH3_ADAT
DIGIANA_SW4
LINE_SEL4
CH4_ADAT
VR_TRIM3
VR_TRIM4
V+3R3REF
V+3R3D
STBY C4949 NM
GNDREF
1 V+5D
2 MCLK34
3 GNDD
4 BCLK34
5 GNDD
6 LRCK34
7 GNDD
8 RESET
9 DIGIANA_SW3
10 FADER_START3
11 FADER_STOP3
12 LINE_SEL3
13 CH3_ADAT
14 DIGIANA_SW4
15 LINE_SEL4
16 CH4_ADAT
17 V+3R3REF
18 VR_TRIM3
19 VR_TRIM4
20 GNDREF
21 V+3R3D
G 1/3 CN4200
V+15A
V+5A
C4379
47u/25
CN4301
S7B-EH
HAT C4369
HAT C4372
100u/25
C4368
C4370
0.1u/25
C4377
1 V+5A
2 GNDA
3 V+15A
4 GNDA
5 V-15A
6 GNDA
7 V+12A
J 1/2 CN104
V-15A
GNDA
C4371
C4374
47u/25
V+12A
V+3R3D
V+5D
C4373
C4375
C4380
C4381
CN4302
VKN1312-A
A 3/5
3:8D
MIC_DATA
(MICD)
A 1/5
1:1G
DIGIANA_SW1
1:7B
LINE_SEL1
CH1_ADAT
1:6H
(C1D)
RESET
1:4G;3:8D
A 1/5,3/5
1 V+5D
2 MIC_DATA
3 DIGIANA_SW1
4 LINE_SEL1
5 CH1_ADAT
6 RESET
7 GNDD
8 MCLK
9 GNDD
10 BCLK
11 GNDD
12 LRCK
13 GNDD
14 DIGIANA_SW2
15 FADER_STOP2
16 FADER_START2
17 LINE_SEL2
18 CH2_ADAT
19 V+3R3D
20 GNDD
I 1/6 CN1106
A 2/5
2:1F
DIGIANA_SW2
2:3H
FADER_STOP2
2:3G
FADER_START2
2:7B
LINE_SEL2
2:6H
CH2_ADAT
(C2D)
(D1)
(D2)
(D3)
(D4)
CH1_SPDIF
CH2_SPDIF
CH3_SPDIF
CH4_SPDIF
IC4314
IC4315
IC4316
IC4317
IC4318
IC4319
VCC
INB
INA
OUTY
GND
TC7SH08FUS1
C4362
C4363
C4364
C4365
C4366
C4367
0.1u/25
R4370
R4371
R4372
R4373
R4374
R4375
1:4G;2:5G;3:8C
MCLK12
BCLK12
1:4G;2:5G;3:8D
LRCK12
MCLK
BCLK
LRCK
A 1/5-3/5
V+3R3REF
C4376
47u/25
C4378
0.1u/25
GNDREF
CN4303
VKN1312-A
A 1/5
1:7B
VR_TRIM1
2:7B
VR_TRIM2
A 2/5
A 5/5
5:7C
DOUT_DATA
(D)
1 V+3R3REF
2 VR_TRIM1
3 VR_TRIM2
4 VR_TRIM3
5 VR_TRIM4
6 GNDREF
7 GNDD
8 CH1_SPDIF
9 CH2_SPDIF
10 CH3_SPDIF
11 CH4_SPDIF
12 DOUT_DATA
13 DIGIANA_SW3
14 FADER_START3
15 FADER_STOP3
16 LINE_SEL3
17 CH3_ADAT
18 DIGIANA_SW4
19 LINE_SEL4
20 CH4_ADAT
I 1/6 CN1104
KN4300
VNF1084
KN4301
VNF1084
R4941
R4942
R4943
GNDA
GNDD

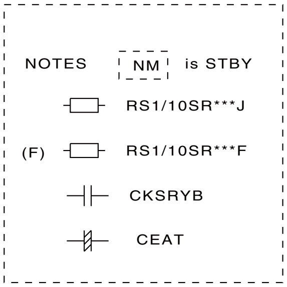
DIGITAL IN

A 4/5

10.5 AIN1 (5/5), TRIM1 and TRIM2 ASSYS

A 5/5 AIN1 ASSY (DWX2922)


V+5D
C4513
100u/10
C4514
0.01u/50
R4527
1.8k
(F)
DIGI_OUT
GNDD
Q4501
(D)
R4529
2.7k
4:15J
DOUT_DATA
A 4/5
2
L4500
(D)
R4523
0
R4525
68
2SC2412K(RS)
1
VTF1091-A
C4512
0.1u/25
JA4500
PKB1033-A
R4524
100k
R4526
220
R4528
3.9k
(F)
GNDD
GNDD
GNDD
GNDD
DIGITAL OUT


NOTES
NM
is STBY
RS1/10SR***J
(F)
RS1/10SR***F
CKSRYB
CEAT

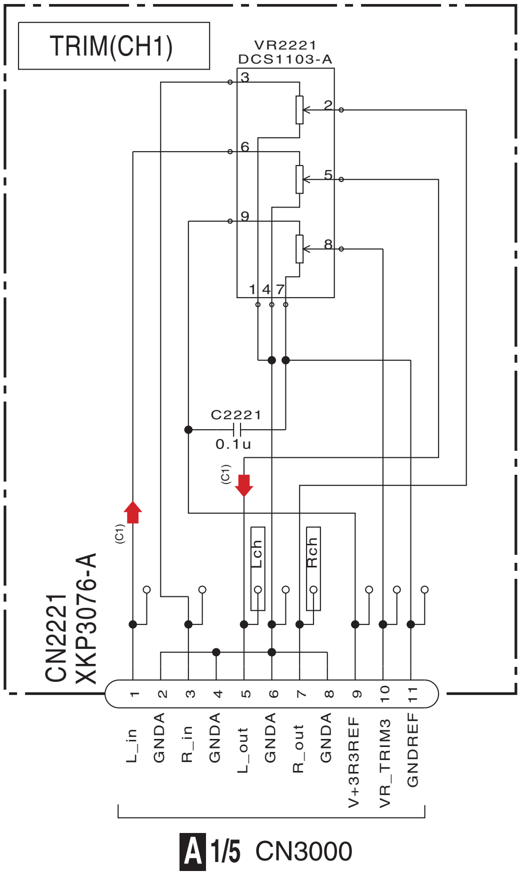
Audio Signal Route

(D) ➡ : Digital Data Signal

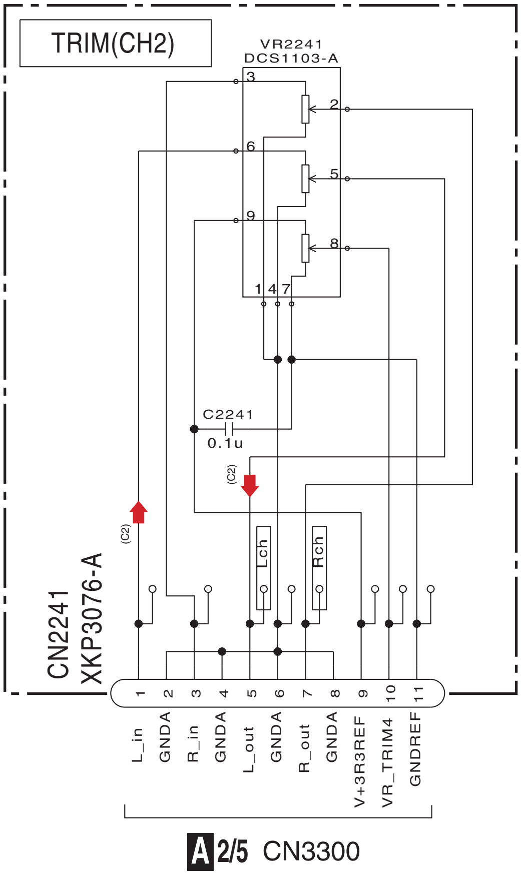
(C1) ➡ : CH1 Signal (L CH)

(C2) ➡ : CH2 Signal (L CH)

C TRIM1 ASSY (DWX2935)

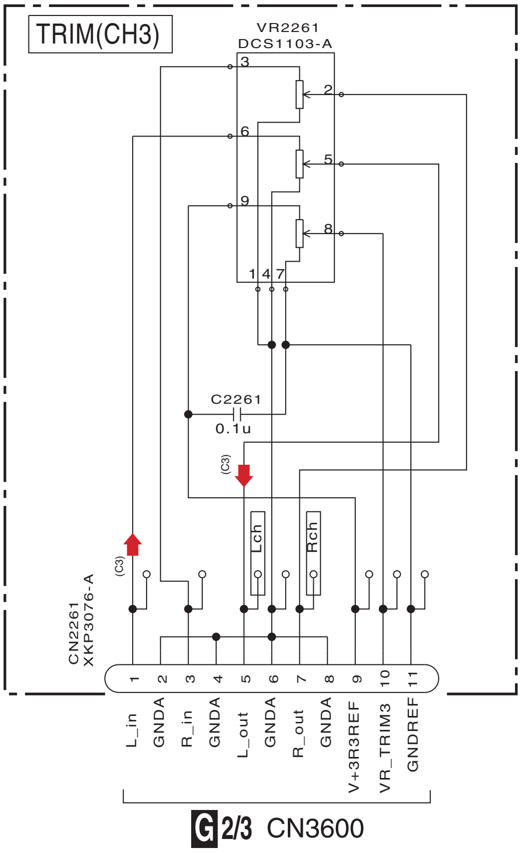

TRIM(CH1)
VR2221
DCS1103-A
3
2
6
5
9
8
1 4 7
C2221
0.1u
(C1)
(C1)
Lch
Rch
CN2221
XKP3076-A
1 2 3 4 5 6 7 8 9 10 11
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM3
GNDREF
A 1/5 CN3000

D TRIM2 ASSY (DWX2936)

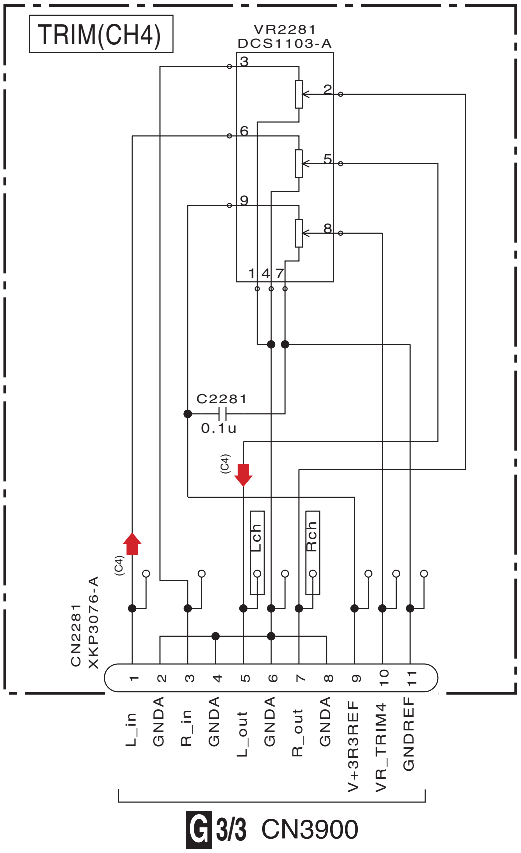

TRIM(CH2)
VR2241
DCS1103-A
3
2
6
5
9
8
1 4 7
C2241
0.1u
(C2)
(C2)
Lch
Rch
CN2241
XKP3076-A
1 2 3 4 5 6 7 8 9 10 11
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM4
GNDREF
A 2/5 CN3300

10.6 TRIM3, TRIM4 and AIN2 (1/3) ASSYS

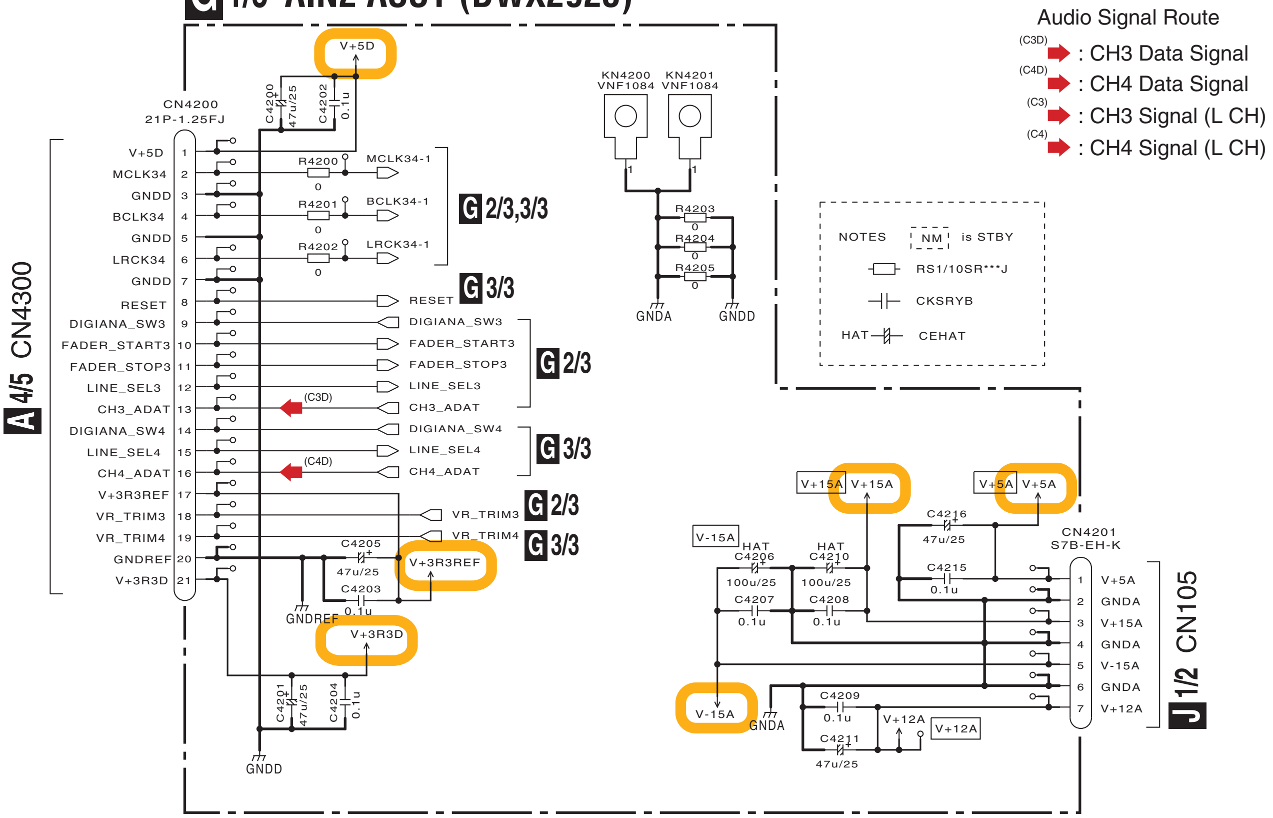
E TRIM3 ASSY (DWX2937)


TRIM(CH3)
VR2261
DCS1103-A
3
2
6
5
9
8
1 4 7
C2261
0.1u
(C3)
Lch
Rch
CN2261
XKP3076-A
1 2 3 4 5 6 7 8 9 10 11
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM3
GNDREF
G 2/3 CN3600

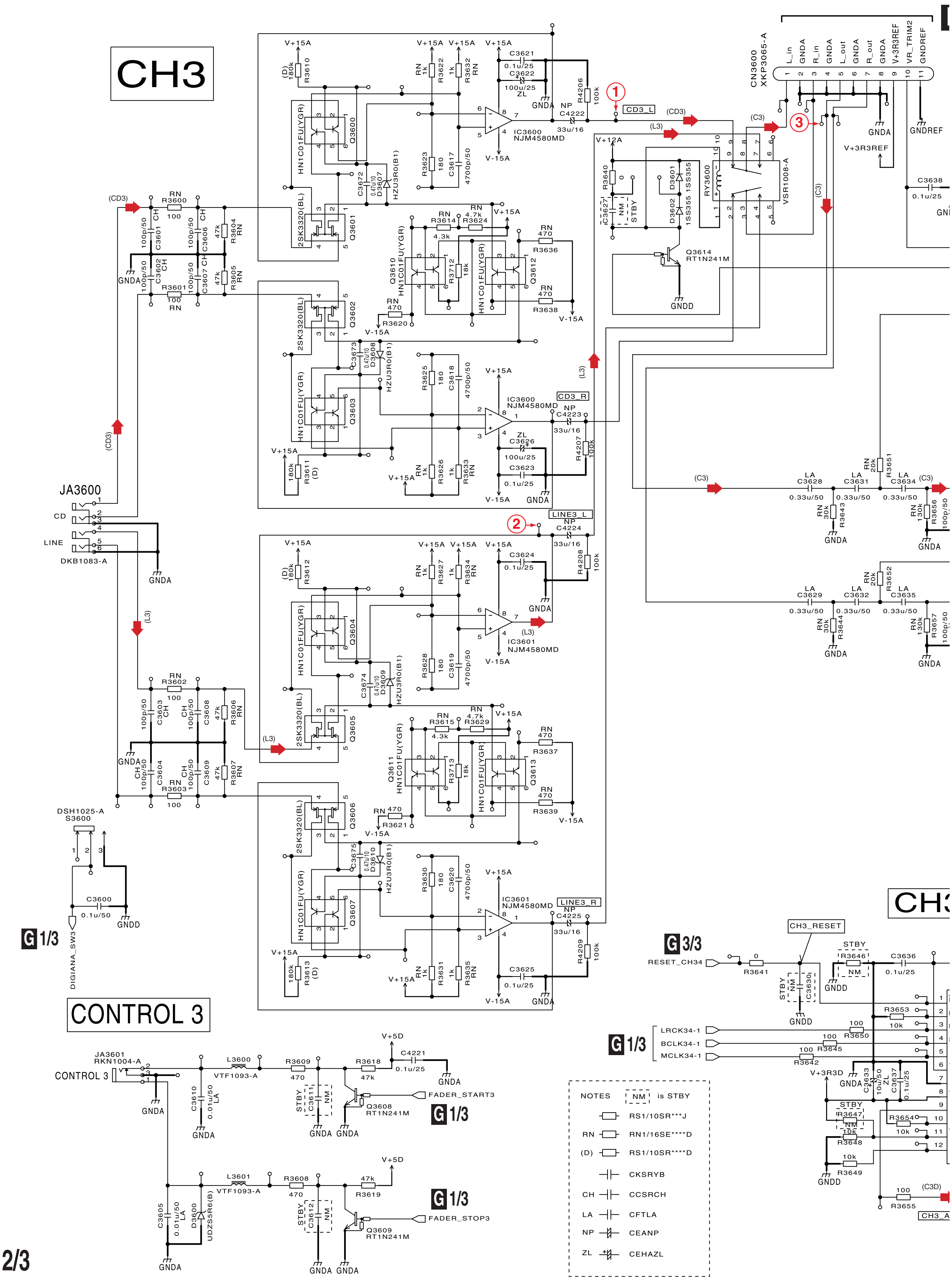
F TRIM4 ASSY (DWX2938)


TRIM(CH4)
VR2281
DCS1103-A
3
2
6
5
9
8
1 4 7
C2281
0.1u
(C4)
Lch
Rch
CN2281
XKP3076-A
1 2 3 4 5 6 7 8 9 10 11
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM4
GNDREF
G 3/3 CN3900

G 1/3 AIN2 ASSY (DWX2923)


Audio Signal Route
(C3D) : CH3 Data Signal
(C4D) : CH4 Data Signal
(C3) : CH3 Signal (L CH)
(C4) : CH4 Signal (L CH)
V+5D
C4200
47u/25
C4202
0.1u
CN4200
21P-1.25FJ
A 4/5 CN4300
1 V+5D
2 MCLK34
3 GNDD
4 BCLK34
5 GNDD
6 LRCK34
7 GNDD
8 RESET
9 DIGIANA_SW3
10 FADER_START3
11 FADER_STOP3
12 LINE_SEL3
13 CH3_ADAT
14 DIGIANA_SW4
15 LINE_SEL4
16 CH4_ADAT
17 V+3R3REF
18 VR_TRIM3
19 VR_TRIM4
20 GNDREF
21 V+3R3D
R4200 0
MCLK34-1
R4201 0
BCLK34-1
R4202 0
LRCK34-1
G 2/3,3/3
RESET
G 3/3
DIGIANA_SW3
FADER_START3
FADER_STOP3
LINE_SEL3
(C3D)
CH3_ADAT
G 2/3
DIGIANA_SW4
LINE_SEL4
(C4D)
CH4_ADAT
G 3/3
VR_TRIM3
G 2/3
VR_TRIM4
G 3/3
C4205
47u/25
C4203
0.1u
V+3R3REF
GNDREF
V+3R3D
C4201
47u/25
C4204
0.1u
GNDD
KN4200
VNF1084
KN4201
VNF1084
R4203 0
R4204 0
R4205 0
GNDA
GNDD
NOTES
NM is STBY
RS1/10SR***J
CKSRYB
HAT CEHAT
V+15A V+15A
V+5A V+5A
V-15A
HAT
C4206
100u/25
C4207
0.1u
HAT
C4210
100u/25
C4208
0.1u
C4216
47u/25
C4215
0.1u
CN4201
S7B-EH-K
1 V+5A
2 GNDA
3 V+15A
4 GNDA
5 V-15A
6 GNDA
7 V+12A
J 1/2 CN105
V-15A
GNDA
C4209
0.1u
V+12A
V+12A
C4211
47u/25

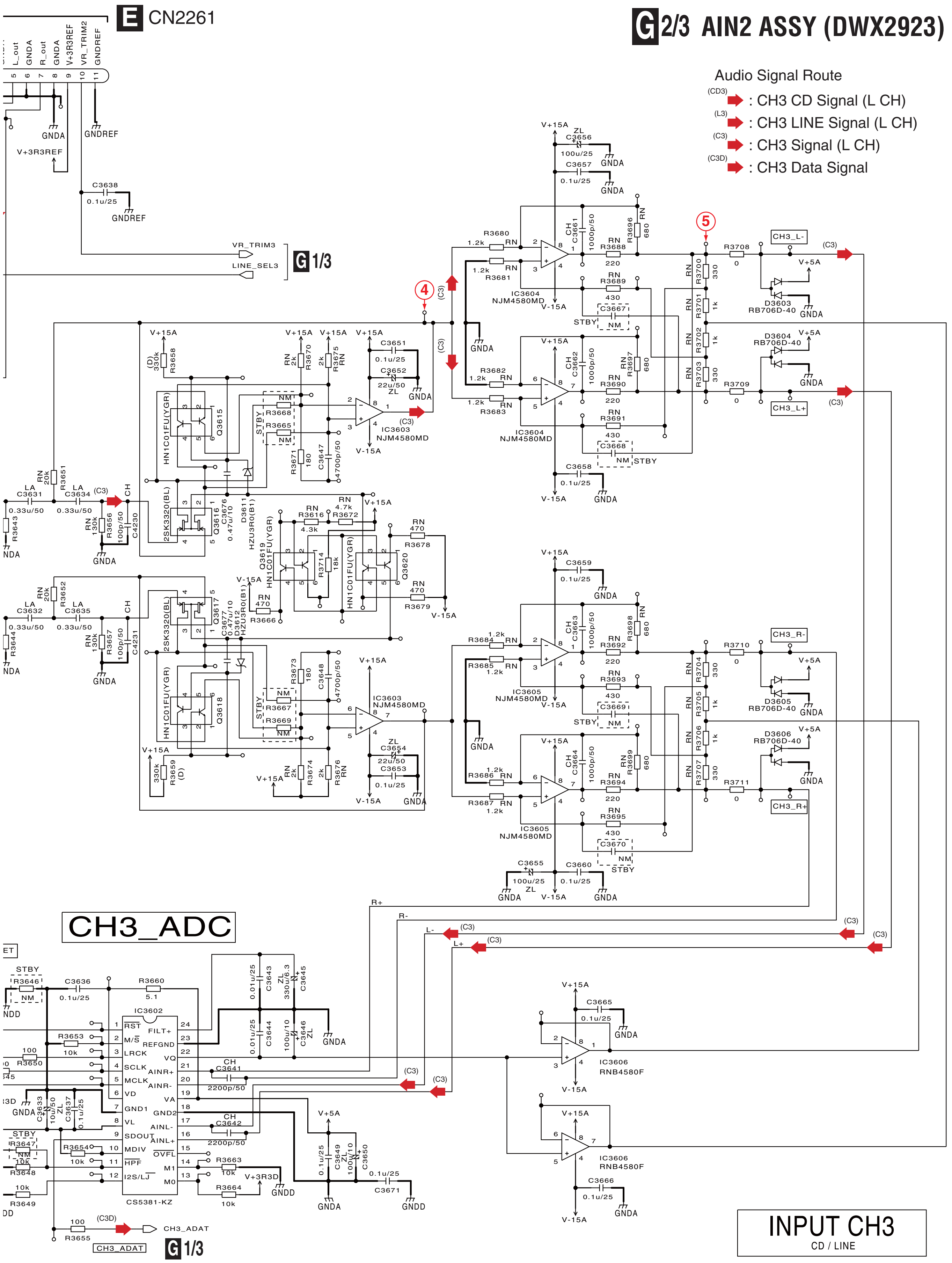
10.7 AIN2 ASSY (2/3)


CH3
CONTROL 3
CN3600
XKP3065-A
L_in
GNDA
R_in
GNDA
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM2
GNDREF
JA3600
CD
LINE
DKB1083-A
DSH1025-A
S3600
DIGIANA_SW3
JA3601
RKN1004-A
IC3600
NJM4580MD
IC3601
NJM4580MD
RY3600
VSR1008-A
Q3614
RT1N241M
CD3_L
CD3_R
LINE3_L
LINE3_R
CH3_RESET
RESET_CH34
LRCK34-1
BCLK34-1
MCLK34-1
FADER_START3
FADER_STOP3
Q3608
RT1N241M
Q3609
RT1N241M
L3600
L3601
VTF1093-A
D3600
UDZS5R6(B)
V+15A
V-15A
V+5D
V+12A
V+3R3D
GNDA
GNDD
GNDREF
G 1/3
G 3/3
G 2/3
①
②
③
NOTES
NM is STBY
RS1/10SR***J
RN RN1/16SE****D
(D) RS1/10SR****D
CKSRYB
CH CCSRCH
LA CFTLA
NP CEANP
ZL CEHAZL

G 2/3 AIN2 ASSY (DWX2923)

Audio Signal Route

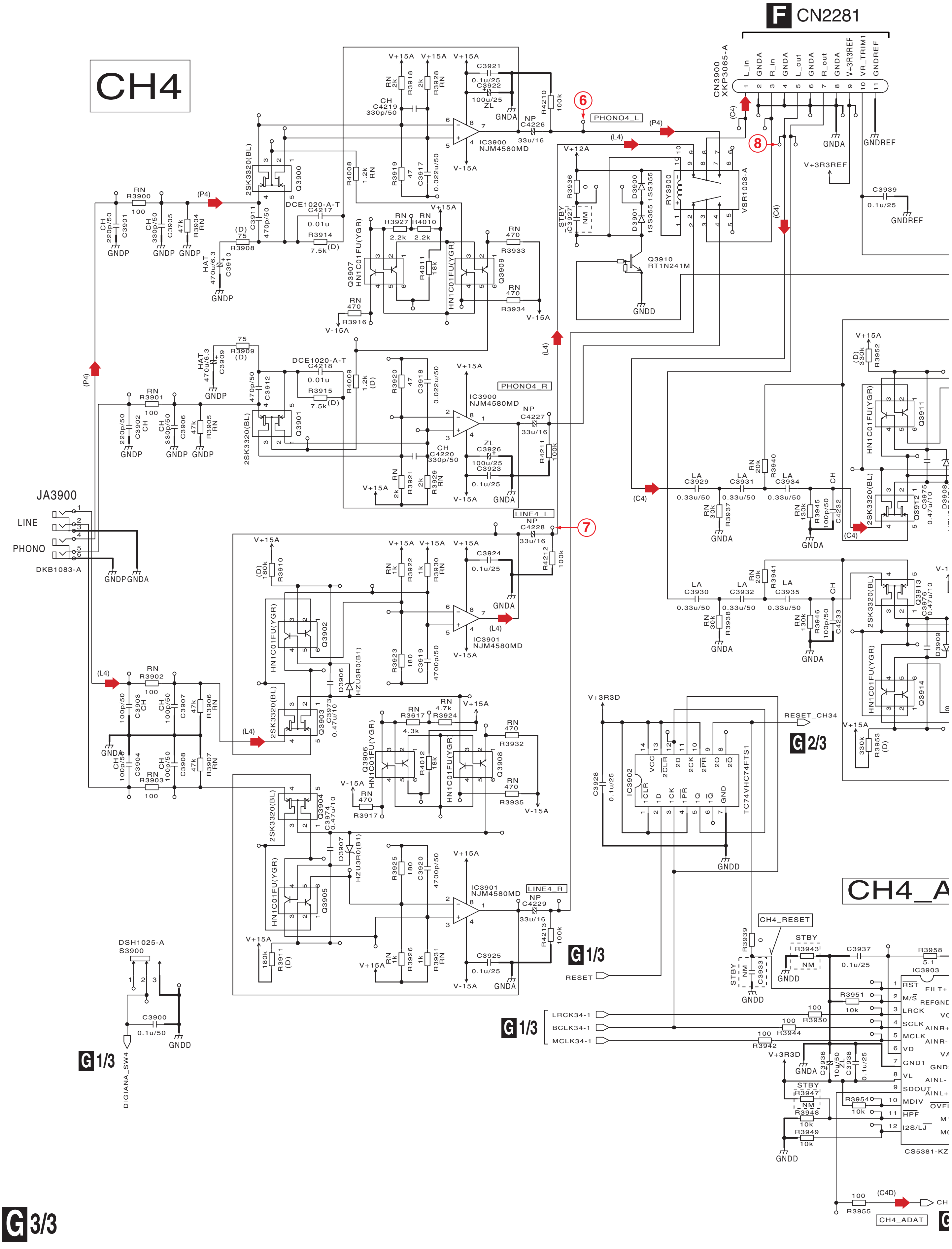
(CD3) 🟥 : CH3 CD Signal (L CH)
(L3) 🟥 : CH3 LINE Signal (L CH)
(C3) 🟥 : CH3 Signal (L CH)
(C3D) 🟥 : CH3 Data Signal



E CN2261
L_out
GNDA
R_out
GNDA
V+3R3REF
VR_TRIM2
GNDREF
GNDA
GNDREF
V+3R3REF
C3638 0.1u/25
GNDREF
VR_TRIM3
LINE_SEL3
G 1/3
④
⑤
IC3604 NJM4580MD
IC3605 NJM4580MD
IC3603 NJM4580MD
Q3615 HN1C01FU(YGR)
Q3616 2SK3320(BL)
Q3617 2SK3320(BL)
Q3618 HN1C01FU(YGR)
Q3619 HN1C01FU(YGR)
Q3620 HN1C01FU(YGR)
D3611 HZU3R0(B1)
D3612 HZU3R0(B1)
D3603 RB706D-40
D3604 RB706D-40
D3605 RB706D-40
D3606 RB706D-40
CH3_L-
CH3_L+
CH3_R-
CH3_R+
STBY
NM
V+15A
V-15A
V+5A
GNDA
R+
R-
L-
L+
CH3_ADC
IC3602 CS5381-KZ
RST
M/S
LRCK
SCLK
MCLK
VD
GND1
VL
SDOUT
MDIV
HPF
I2S/LJ
FILT+
REFGND
VQ
AINR+
AINR-
VA
GND2
AINL-
AINL+
OVFL
M1
M0
V+3R3D
GNDD
IC3606 RNB4580F
CH3_ADAT
G 1/3

INPUT CH3
CD / LINE

10.8 AIN2 ASSY (3/3)

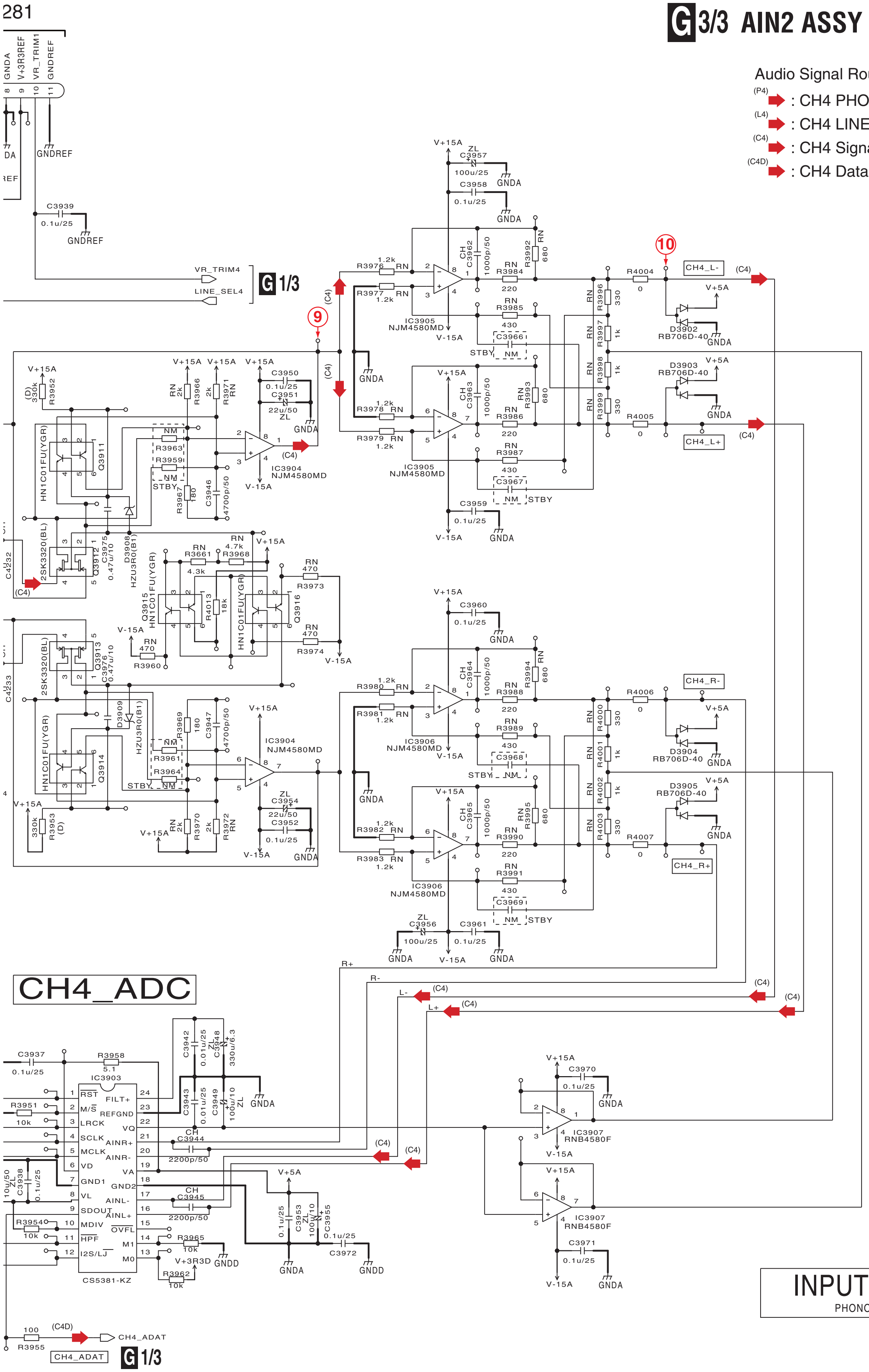


CH4
F CN2281
CN3900
XKP3065-A
1 L_in
2 GNDA
3 R_in
4 GNDA
5 L_out
6 GNDA
7 R_out
8 GNDA
9 V+3R3REF
10 VR_TRIM1
11 GNDREF
GNDA
GNDREF
V+3R3REF
C3939
0.1u/25
GNDREF
⑥
⑦
⑧
PHONO4_L
PHONO4_R
LINE4_L
LINE4_R
(P4)
(L4)
(C4)
(D)
V+15A
V-15A
V+12A
GNDA
GNDP
GNDD
IC3900
NJM4580MD
IC3901
NJM4580MD
C3921
0.1u/25
C3922
100u/25
ZL
NP
C4226
33u/16
R4210
100k
RN R3918 2k
RN R3928 2k
CH C4219 330p/50
R3919 47
C3917 0.022u/50
R4008 1.2k RN
2SK3320(BL)
Q3900
DCE1020-A-T
C4217 0.01u
R3914 7.5k
R3908 75
C3911 470p/50
RN R3900 100
CH C3901 220p/50
CH C3905 330p/50
47k R3904 RN
HAT C3910 470u/6.3
RN R3927 2.2k
RN R4010 2.2k
HN1C01FU(YGR)
Q3907
R4011 18k
Q3909
RN R3933 470
RN R3934 470
RN R3916 470
VSR1008-A
RY3900
R3936 0
STBY C3927 NM
D3900 1SS355
D3901 1SS355
Q3910 RT1N241M
HAT C3909 470u/6.3
R3909 75
DCE1020-A-T
C4218 0.01u
R3915 7.5k
C3912 470p/50
R4009 1.2k
R3920 47
C3918 0.022u/50
Q3901
RN R3901 100
CH C3902 220p/50
CH C3906 330p/50
47k R3905 RN
NP C4227 33u/16
CH C4220 330p/50
ZL C3926 100u/25
C3923 0.1u/25
R4211 100k
RN R3921 2k
R3929 RN 2k
JA3900
LINE
PHONO
DKB1083-A
NP C4228 33u/16
R4212 100k
(D) 180k R3910
RN R3922 1k
R3930 RN 1k
C3924 0.1u/25
Q3902
HZU3R0(B1)
D3906
R3923 180
C3919 4700p/50
RN R3902 100
CH C3903 100p/50
CH C3907 100p/50
47k R3906 RN
CH C3904 100p/50
RN R3903 100
CH C3908 100p/50
47k R3907 RN
Q3903
C3973 0.47u/10
RN R3617 4.3k
RN R3924 4.7k
Q3906
R4012 18k
Q3908
RN R3932 470
RN R3935 470
RN R3917 470
Q3904
C3974 0.47u/10
D3907
Q3905
R3925 180
C3920 4700p/50
NP C4229 33u/16
R4213 100k
C3925 0.1u/25
180k R3911 (D)
RN R3926 1k
R3931 RN 1k
DSH1025-A
S3900
C3900 0.1u/50
DIGIANA_SW4
G 1/3
LA C3929 0.33u/50
LA C3931 0.33u/50
LA C3934 0.33u/50
RN 20k R3940
RN 30k R3937
RN 130k R3945
100p/50 C4232 CH
LA C3930 0.33u/50
LA C3932 0.33u/50
LA C3935 0.33u/50
RN 20k R3941
RN 30k R3938
RN 130k R3946
100p/50 C4233 CH
(D) 330k R3952
HN1C01FU(YGR)
Q3911
2SK3320(BL)
Q3912
C3975 0.47u/10
D3908
Q3913
C3976 0.47u/10
D3909
Q3914
330k R3953 (D)
V+3R3D
IC3902
TC74VHC74FTS1
C3928 0.1u/25
VCC 2CLR 2D 2CK 2PR 2Q 2Q̄
1CLR 1D 1CK 1PR 1Q 1Q̄ GND
RESET_CH34
G 2/3
CH4_A
CH4_RESET
R3939 0
STBY NM C3933
STBY R3943 NM
C3937 0.1u/25
R3958 5.1
IC3903
CS5381-KZ
RST M/S LRCK SCLK MCLK VD GND1 VL SDOUT MDIV HPF I2S/LJ
FILT+ REFGND VQ AINR+ AINR- VA GND AINL- AINL+ OVFL M1 M0
R3951 10k
100 R3950
100 R3944
100 R3942
R3954 10k
STBY R3947 NM
R3948 10k
R3949 10k
C3936 10u/50 ZL
C3938 0.1u/25
RESET
LRCK34-1
BCLK34-1
MCLK34-1
G 1/3
100 R3955
(C4D)
CH4_ADAT
CH
G 3/3

G 3/3 AIN2 ASSY (DWX2923)

Audio Signal Route

(P4) ➡	: CH4 PHONO Signal (L CH)
(L4) ➡	: CH4 LINE Signal (L CH)
(C4) ➡	: CH4 Signal (L CH)
(C4D) ➡	: CH4 Data Signal


281
GNDA
V+3R3REF
VR_TRIM1
GNDREF
GNDREF
C3939 0.1u/25
VR_TRIM4
LINE_SEL4
G 1/3
⑨
⑩
IC3904 NJM4580MD
IC3905 NJM4580MD
IC3906 NJM4580MD
IC3907 RNB4580F
IC3903 CS5381-KZ
HN1C01FU(YGR)
2SK3320(BL)
HZU3R0(B1)
Q3911
Q3912
Q3913
Q3914
Q3915
Q3916
D3902 RB706D-40
D3903 RB706D-40
D3904 RB706D-40
D3905 RB706D-40
CH4_L-
CH4_L+
CH4_R-
CH4_R+
R4004 0
R4005 0
R4006 0
R4007 0
V+15A
V-15A
V+5A
GNDA
GNDD
STBY
NM
(C4)
(C4D)
R+
R-
L-
L+
CH4_ADC
RST
M/S
LRCK
SCLK
MCLK
VD
GND1
VL
SDOUT
MDIV
HPF
I2S/LJ
FILT+
REFGND
VQ
AINR+
AINR-
VA
GND2
AINL-
AINL+
OVFL
M1
M0
V+3R3D
R3955 100
CH4_ADAT
G 1/3

NOTES

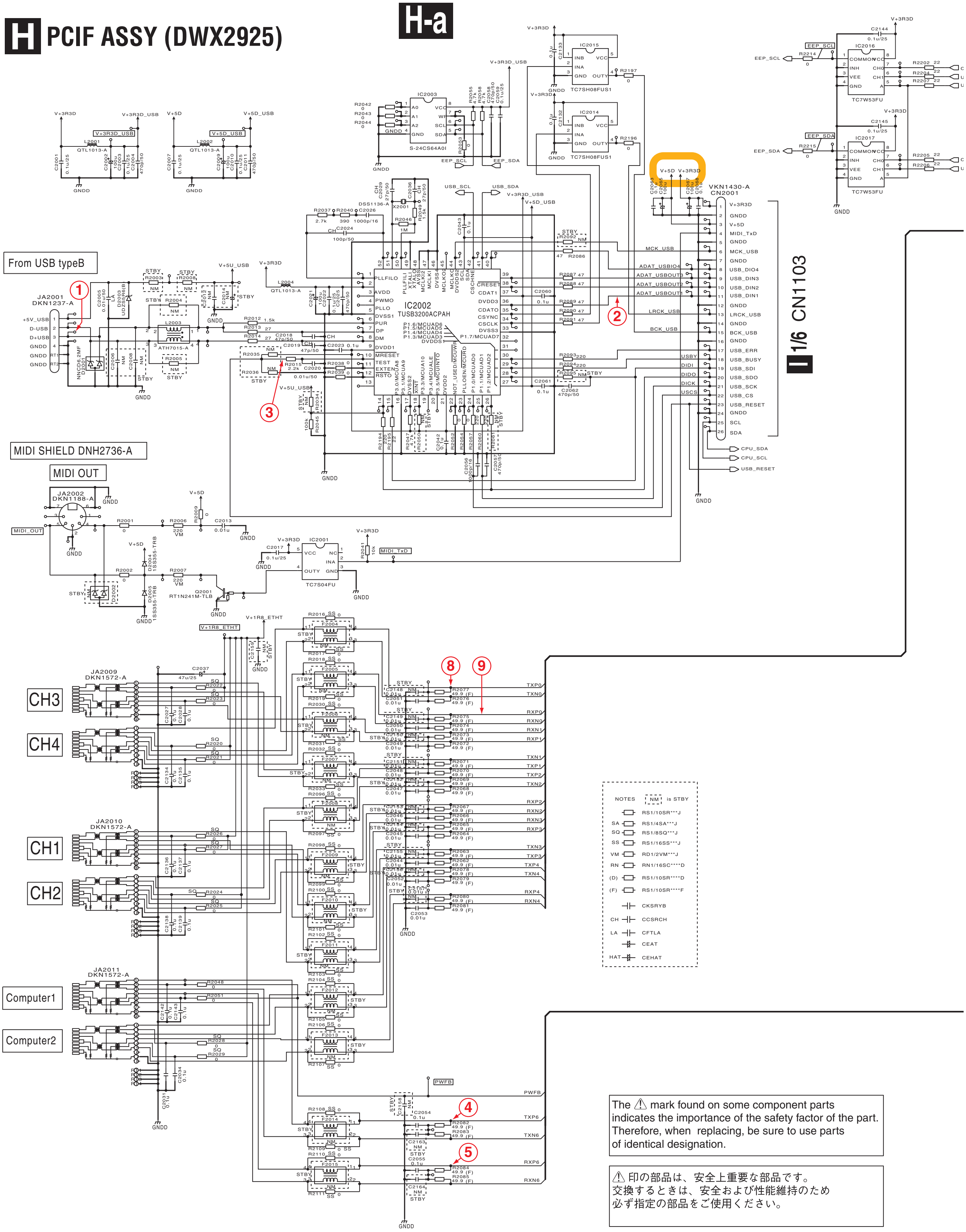
	NM	is STBY
	▭	RS1/10SR***J
RN	▭	RN1/16SE****D
(D)	▭	RS1/10SR****D
	⊣⊢	CKSRYB
CH	⊣⊢	CCSRCH
LA	⊣⊢	CFTLA
NP	⊣⊢	CEANP
HAT	⊣⊢	CEHAT
ZL	⊣⊢	CEHAZL

INPUT CH4

PHONO / CD

10.9 PCIF ASSY

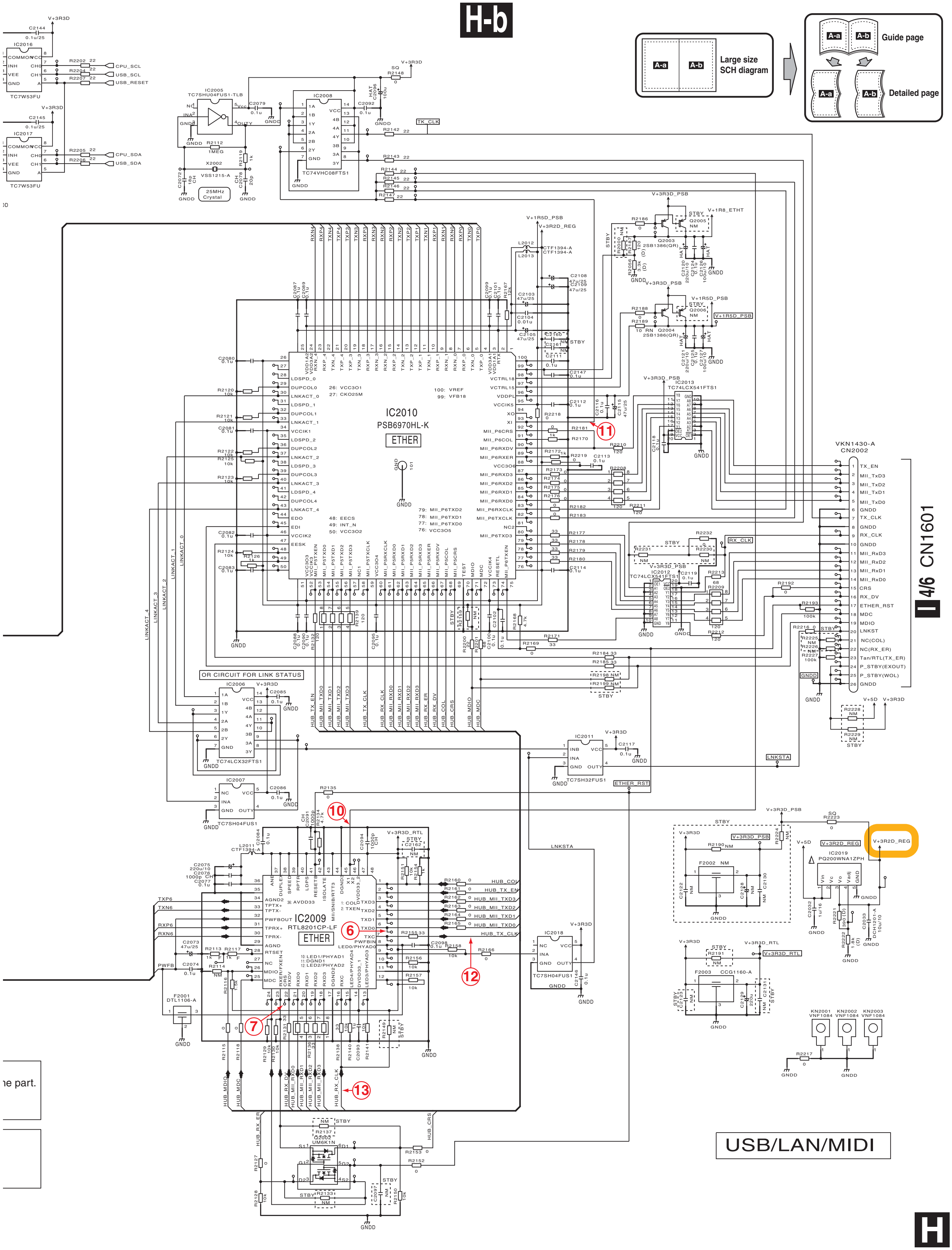
H PCIF ASSY (DWX2925)


H-a
From USB typeB
JA2001
DKN1237-A
+5V_USB
D-USB
D+USB
GNDD
MIDI SHIELD DNH2736-A
MIDI OUT
JA2002
DKN1188-A
IC2002
TUSB3200ACPAH
IC2003
S-24CS64A0I
IC2015
TC7SH08FUS1
IC2014
TC7SH08FUS1
IC2016
TC7W53FU
IC2017
TC7W53FU
IC2001
TC7S04FU
Q2001
RT1N241M-TLB
EEP_SCL
EEP_SDA
V+5D V+3R3D
VKN1430-A
CN2001
1 V+3R3D
2 GNDD
3 V+5D
4 MIDI_TxD
5 GNDD
6 MCK_USB
7 GNDD
8 USB_DIO4
9 USB_DIN3
10 USB_DIN2
11 USB_DIN1
12 GNDD
13 LRCK_USB
14 GNDD
15 BCK_USB
16 GNDD
17 USB_ERR
18 USB_BUSY
19 USB_SDI
20 USB_SDO
21 USB_SCK
22 USB_CS
23 USB_RESET
24 GNDD
25 SCL
26 SDA
CPU_SDA
CPU_SCL
USB_RESET
I 1/6 CN1103
JA2009
DKN1572-A
CH3
CH4
JA2010
DKN1572-A
CH1
CH2
JA2011
DKN1572-A
Computer1
Computer2
PWFB
①
②
③
④
⑤
⑧
⑨
NOTES
NM is STBY
RS1/10SR***J
SA RS1/4SA***J
SQ RS1/8SQ***J
SS RS1/16SS***J
VM RD1/2VM***J
RN RN1/16SC****D
(D) RS1/10SR****D
(F) RS1/10SR****F
CKSRYB
CH CCSRCH
LA CFTLA
CEAT
HAT CEHAT

The ⚠ mark found on some component parts
indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts
of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

H-b



Large size SCH diagram
A-a
A-b
Guide page
Detailed page
IC2016 TC7W53FU
IC2017 TC7W53FU
CPU_SCL
USB_SCL
USB_RESET
CPU_SDA
USB_SDA
IC2005 TC7SHU04FUS1-TLB
IC2008 TC74VHC08FTS1
X2002 VSS1215-A
25MHz Crystal
TK_CLK
V+3R3D
V+1R5D_PSB
V+3R2D_REG
V+3R3D_PSB
V+1R8_ETHT
V+1R5D_PSB
Q2005
Q2003 2SB1386(QR)
Q2006
Q2004 2SB1386(QR)
IC2013 TC74LCX541FTS1
IC2010
PSB6970HL-K
ETHER
100: VREF
99: VFB18
26: VCC3O1
27: CKO25M
48: EECS
49: INT_N
50: VCC3O2
79: MII_P6TXD2
78: MII_P6TXD1
77: MII_P6TXD0
76: VCC3O5
11
VKN1430-A
CN2002
1 TX_EN
2 MII_TxD3
3 MII_TxD2
4 MII_TxD1
5 MII_TxD0
6 GND
7 TX_CLK
8 GND
9 RX_CLK
10 GND
11 MII_RxD3
12 MII_RxD2
13 MII_RxD1
14 MII_RxD0
15 CRS
16 RX_DV
17 ETHER_RST
18 MDC
19 MDIO
20 LNKST
21 NC(COL)
22 NC(RX_ER)
23 Tan/RTL(TX_ER)
24 P_STBY(EXOUT)
25 P_STBY(WOL)
26 GND
4/6 CN1601
RX_CLK
IC2012 TC74LCX541FTS1
OR CIRCUIT FOR LINK STATUS
IC2006 TC74LCX32FTS1
IC2007 TC7SH04FUS1
IC2011 TC7SH32FUS1
LNKSTA
ETHER_RST
10
IC2009
RTL8201CP-LF
ETHER
6
12
7
13
HUB_COL
HUB_TX_EN
HUB_MII_TXD3
HUB_MII_TXD2
HUB_MII_TXD1
HUB_MII_TXD0
HUB_TX_CLK
HUB_MDIO
HUB_MDC
HUB_RX_DV
HUB_MII_RXD0
HUB_MII_RXD1
HUB_MII_RXD2
HUB_MII_RXD3
HUB_RX_CLK
HUB_RX_ER
HUB_CRS
TXP6
TXN6
RXP6
RXN6
PWFB
F2001 DTL1106-A
IC2018 TC7SH04FUS1
Q2002 UM6K1N
IC2019 PQ200WNA1ZPH
V+3R2D_REG
F2002
F2003 CCG1160-A
V+3R3D_RTL
KN2001 VNF1084
KN2002 VNF1084
KN2003 VNF1084
STBY
GND
GNDD

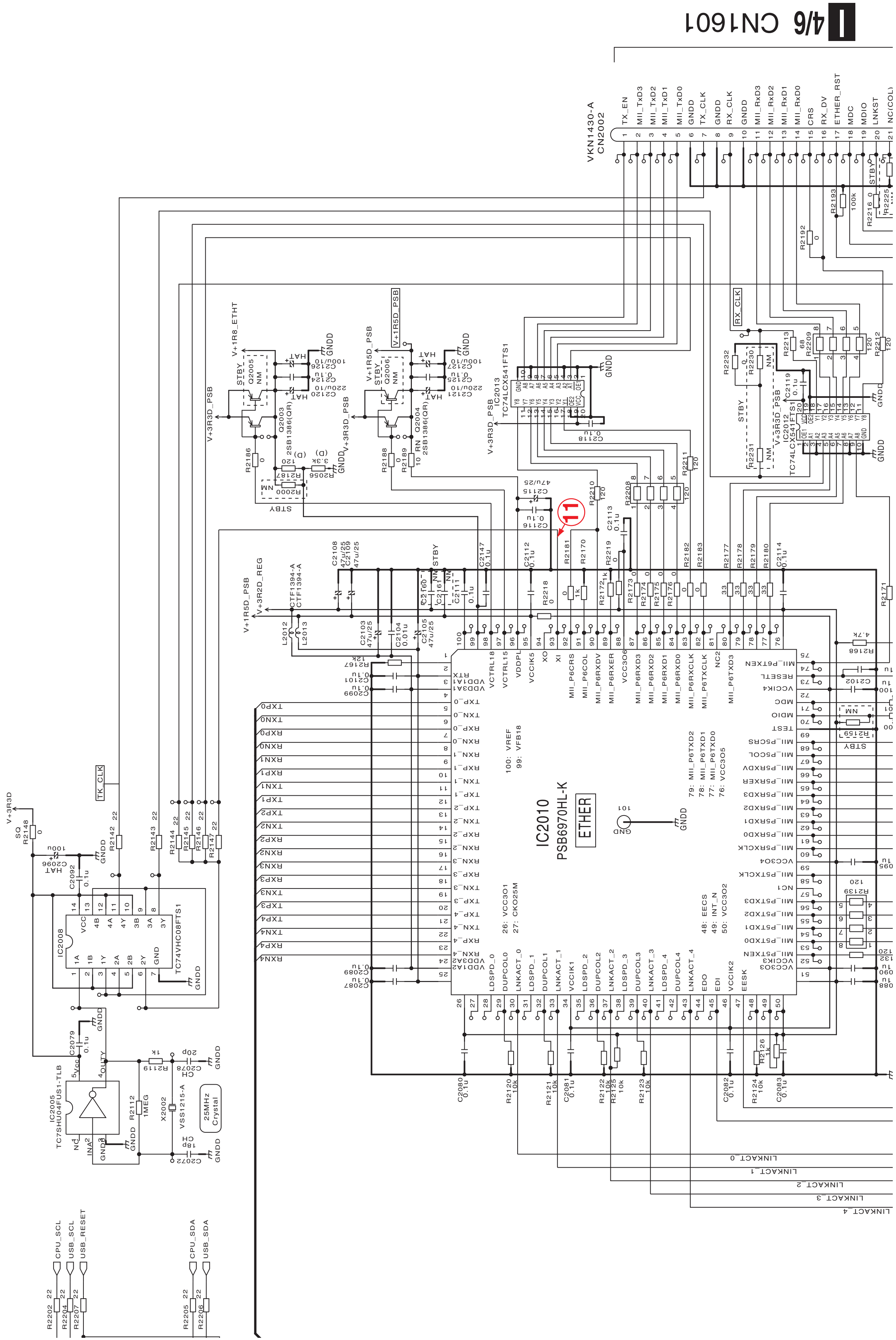
USB/LAN/MIDI

DJM-2000

H

H PCIF ASSY (DWX2925)

A-a A-b


I 4/6 CN1601
VKN1430-A CN2002
1 TX_EN
2 MII_TxD3
3 MII_TxD2
4 MII_TxD1
5 MII_TxD0
6 GNDD
7 TX_CLK
8 GNDD
9 RX_CLK
10 GNDD
11 MII_RxD3
12 MII_RxD2
13 MII_RxD1
14 MII_RxD0
15 CRS
16 RX_DV
17 ETHER_RST
18 MDC
19 MDIO
20 LNKST
21 NC(COL)
IC2010
PSB6970HL-K
ETHER
IC2013 TC74LCX541FTS1
IC2012 TC74LCX541FTS1
IC2008 TC74VHC08FTS1
IC2005 TC7SHU04FUS1-TLB
X2002 VSS1215-A
25MHz Crystal
Q2003 2SB1386(QR)
Q2004 2SB1386(QR)
Q2005 NM
Q2006 NM
V+3R3D_PSB
V+1R8_ETHT
V+1R5D_PSB
V+3R2D_REG
V+3R3D
TK_CLK
RX_CLK
STBY
GNDD
LINKACT_0
LINKACT_1
LINKACT_2
LINKACT_3
LINKACT_4
CPU_SCL
USB_SCL
USB_RESET
CPU_SDA
USB_SDA
TXP0 TXN0 RXP0 RXN0 RXN1 RXP1 TXN1 TXP1 TXP2 TXN2 RXP2 RXN2 RXN3 RXP3 TXN3 TXP3 TXP4 TXN4 RXP4 RXN4
100: VREF
99: VFB18
26: VCC3O1
27: CKO25M
48: EECS
49: INT_N
50: VCC3O2
79: MII_P6TXD2
78: MII_P6TXD1
77: MII_P6TXD0
76: VCC3O5
11

A

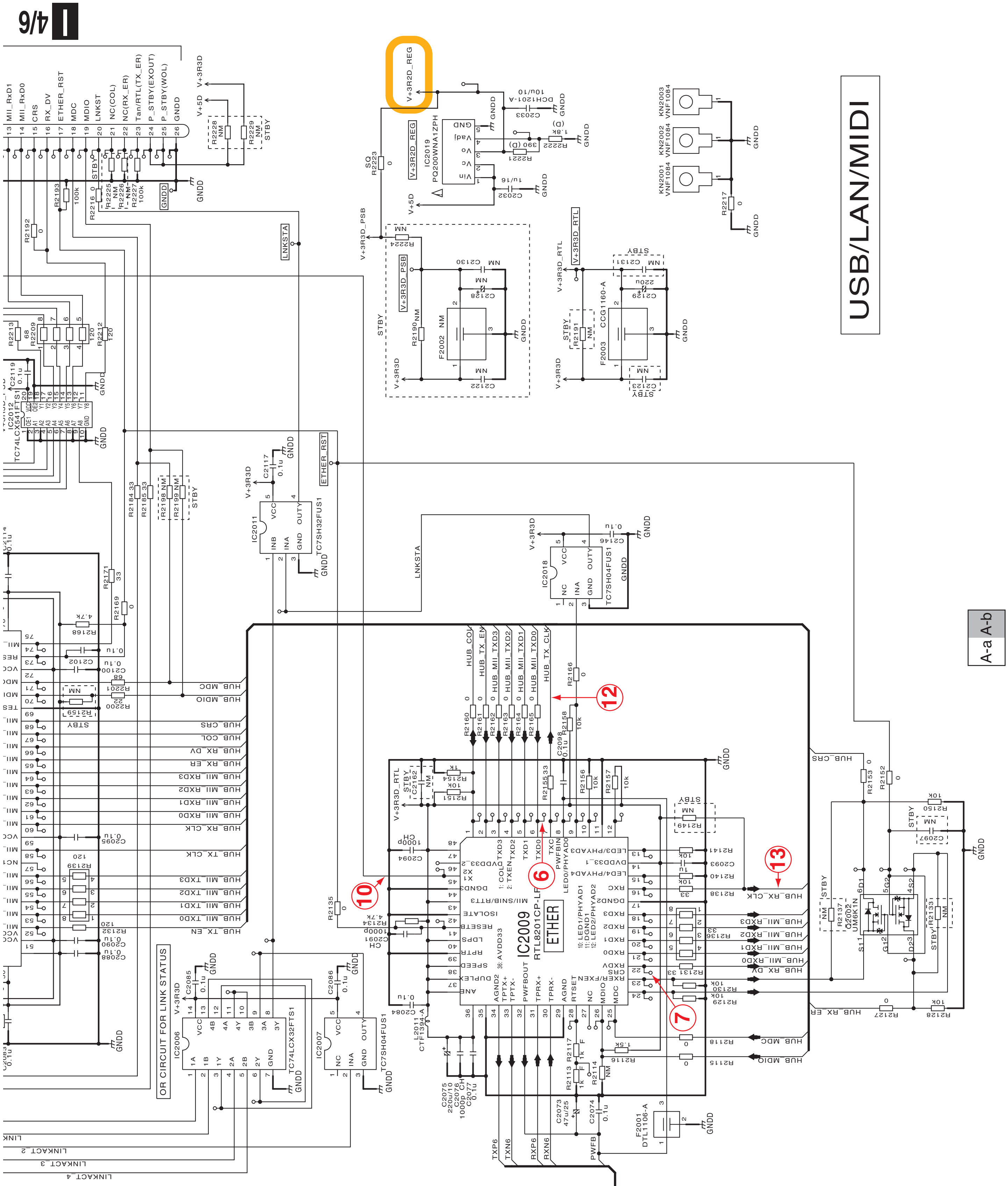
B

C

D

E

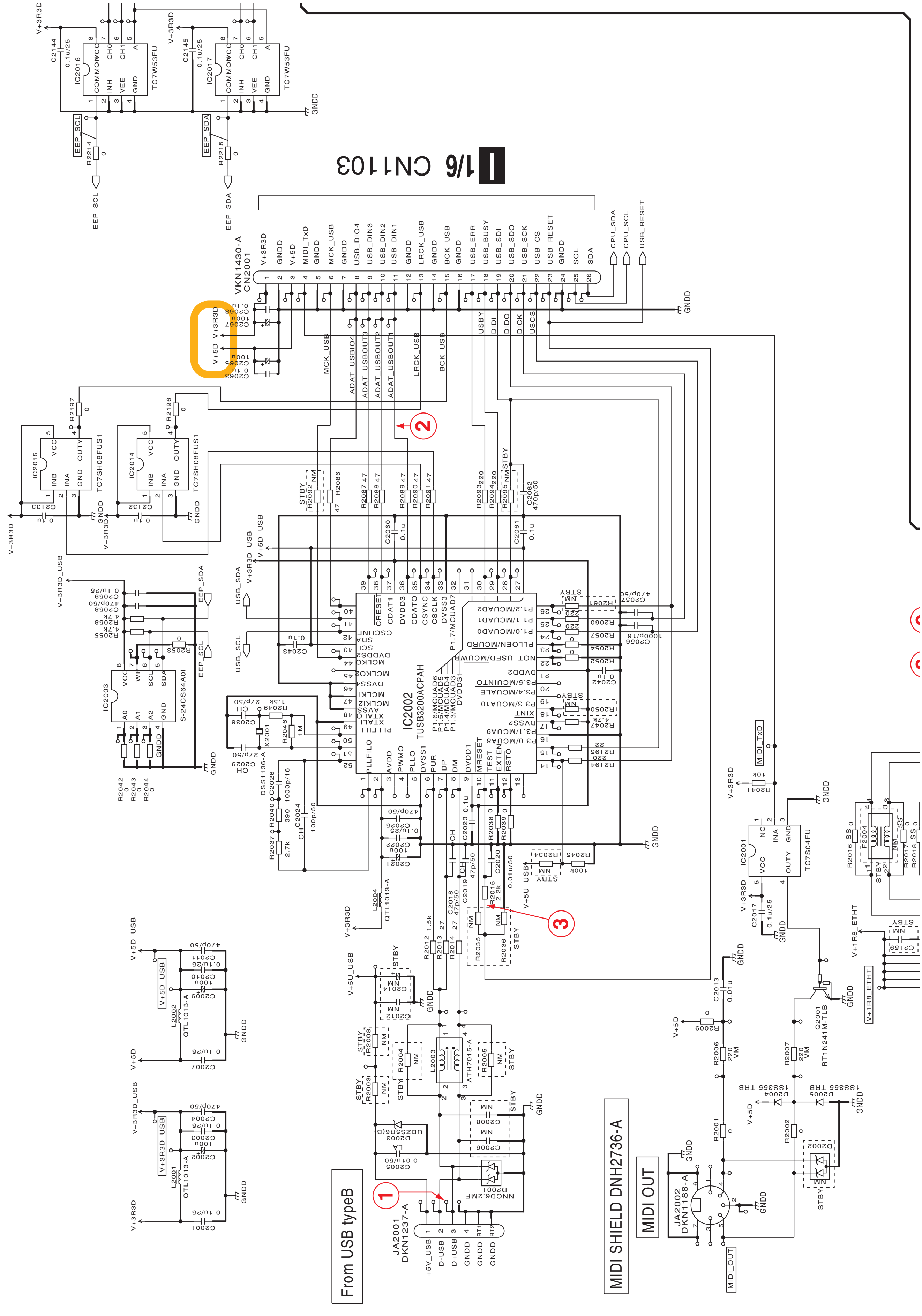
F



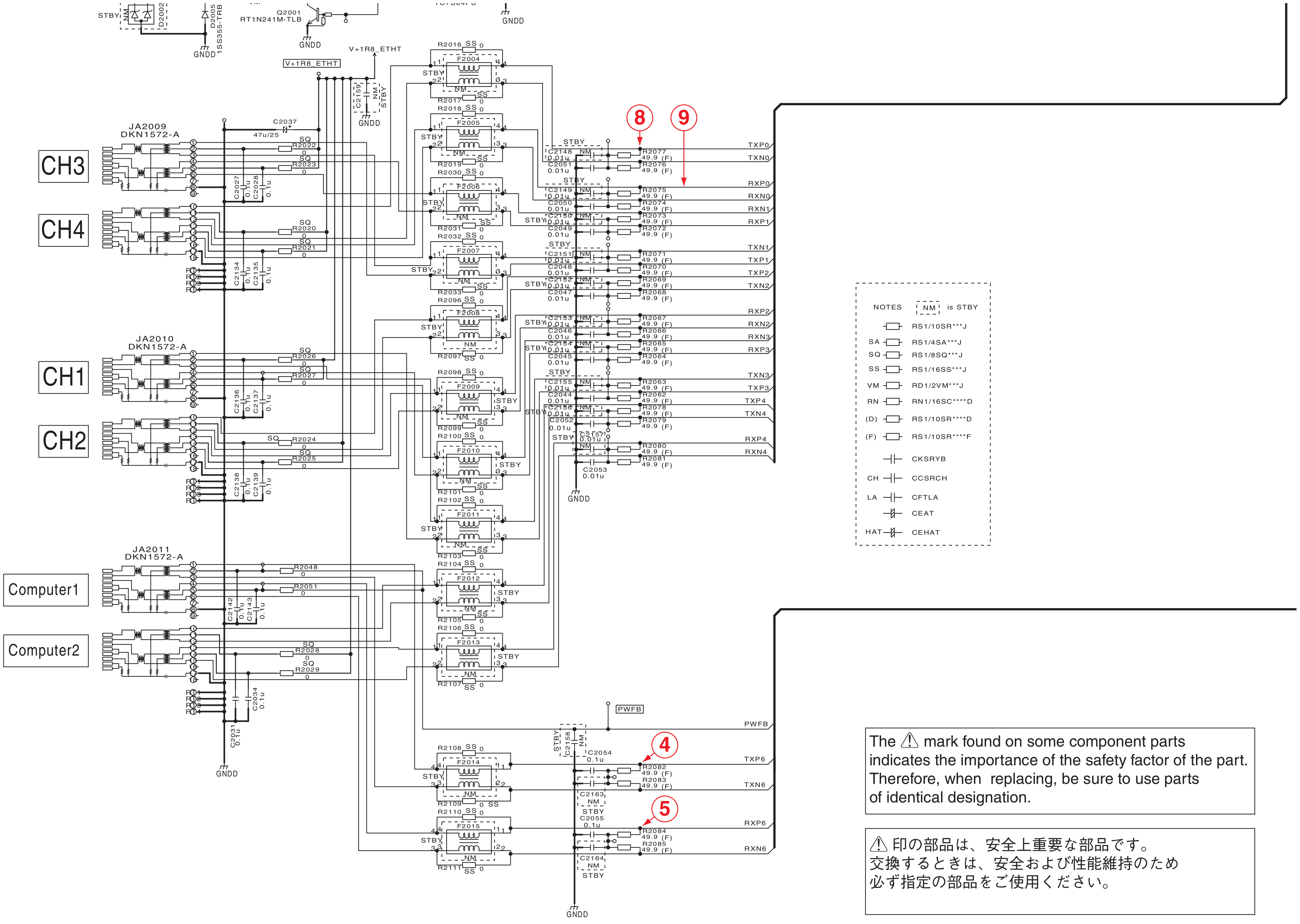
I 4/6
USB/LAN/MIDI
A-a A-b
V+3R2D_REG
IC2019 PQ200WNA1ZPH
Vin Vc Vo Vadj GND
C2032 1u/16
C2033 DCH1201-A 10u/10
R2221 390 (D)
R2222 1.8k (D)
R2223 0
SQ
V+5D
V+3R3D_PSB
R2224 NM
F2002 NM
R2190 NM
C2128 NM
C2130 NM
C2122 NM
STBY
V+3R3D
V+3R3D_RTL
F2003 CCG1160-A
R2191 NM
C2129 220u
C2131 NM
C2123 NM
GNDD
KN2001 VNF1084
KN2002 VNF1084
KN2003 VNF1084
R2217 0
MII_RxD1
MII_RxD0
CRS
RX_DV
ETHER_RST
MDC
MDIO
LNKST
NC(COL)
NC(RX_ER)
Tan/RTL(TX_ER)
P_STBY(EXOUT)
P_STBY(WOL)
R2228 NM
R2229 NM
R2225 NM
R2226 NM
R2227 100k
R2216 0
R2193 100k
R2192 0
LNKSTA
IC2012 TC74LCX541FTS1
C2119 0.1u
R2209 68
R2213 68
R2212 120
R2184 33
R2185 33
R2198 NM
R2199 NM
IC2011 TC7SH32FUS1
C2117 0.1u
ETHER_RST
IC2018 TC7SH04FUS1
C2146 0.1u
R2171 33
R2169 0
R2168 4.7K
C2102 0.1u
C2100 0.1u
R2201 68
R2200 22
R2159 NM
HUB_MDC
HUB_MDIO
HUB_CRS
HUB_COL
HUB_RX_DV
HUB_RX_ER
HUB_MII_RXD3
HUB_MII_RXD2
HUB_MII_RXD1
HUB_MII_RXD0
HUB_RX_CLK
HUB_TX_CLK
HUB_MII_TXD3
HUB_MII_TXD2
HUB_MII_TXD1
HUB_MII_TXD0
HUB_TX_EN
HUB_TX_CLK
C2095 0.1u
R2139 120
R2132 120
C2090 0.1u
C2088 0.1u
OR CIRCUIT FOR LINK STATUS
IC2006 TC74LCX32FTS1
C2085 0.1u
IC2007 TC7SH04FUS1
C2086 0.1u
LINKACT_2
LINKACT_3
LINKACT_4
IC2009 RTL8201CP-LF
ETHER
R2160 0
R2161 0
R2162 0
R2163 0
R2164 0
R2165 0
R2166 0
R2158 10k
C2098 0.1u
R2155 33
R2156 10k
R2157 10k
R2151 10k
R2154 1k
C2162 NM
C2094 1000p CH
R2135 0
R2134 4.7K
C2091 1000p CH
C2084 0.1u
L2011 CTF1394-A
C2075 220u/10
C2076 1000p CH
C2077 0.1u
C2073 47u/25
C2074 0.1u
R2113 1k
R2117 1k
R2114 NM
R2116 1.5K
F2001 DTL1106-A
TXP6 TXN6 RXP6 RXN6 PWFB
R2141
C2093 1u
R2140 10k
R2138 33
R2131 33
R2136 33
R2130 10k
R2129 10k
R2118 0
R2115 0
R2149 NM
R2153 0
R2152 0
R2150 10k
C2097 NM
IC2002 UM6K1N
R2137 NM
R2133 NM
R2127 0
R2128 10k
HUB_RX_ER
HUB_CRS
6
7
10
12
13

H PCIF ASSY (DWX2925)

A-a A-b



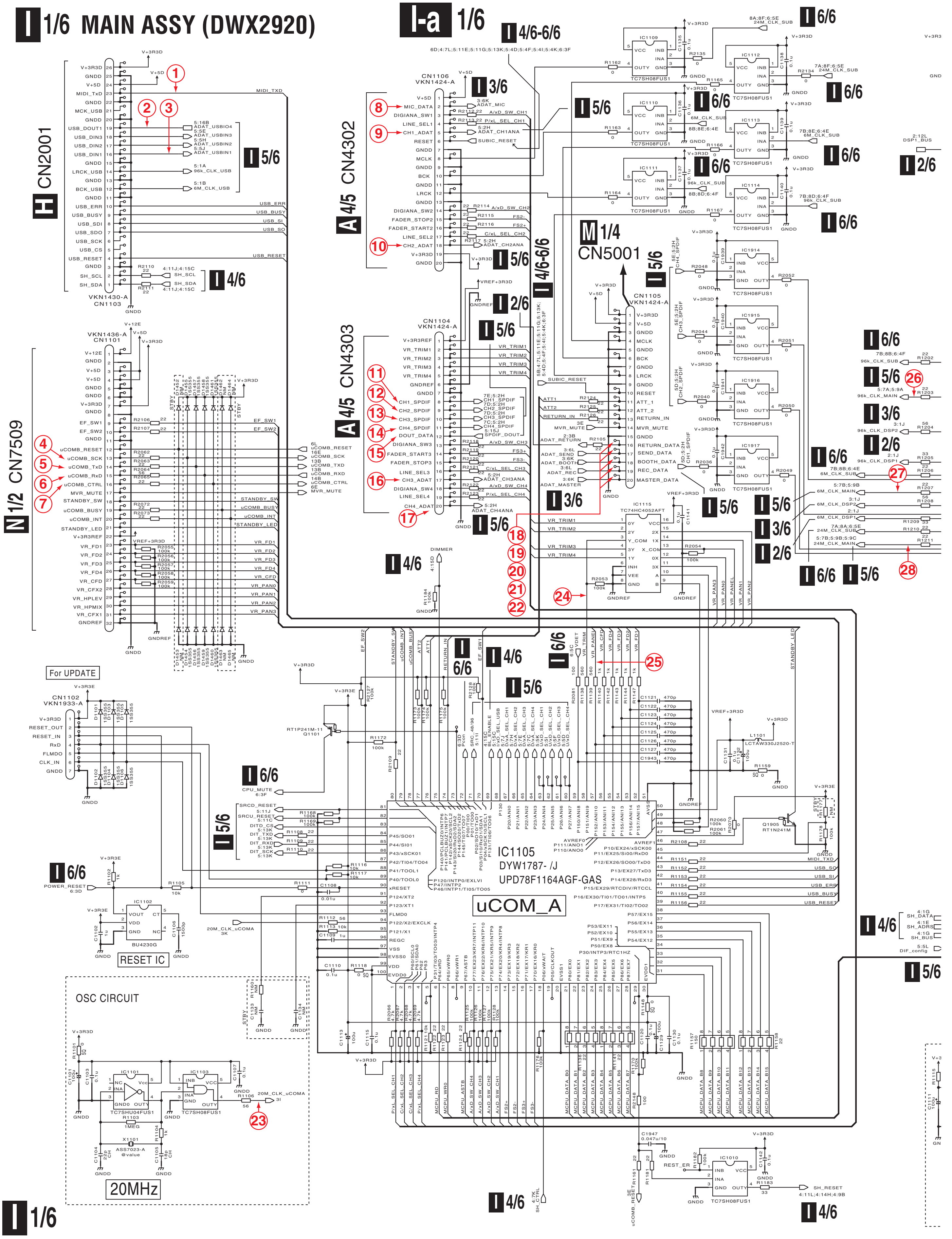
1/6 CN1103
VKN1430-A
CN2001
V+3R3D
GNDD
V+5D
MIDI_TxD
MCK_USB
USB_DIO4
USB_DIN3
USB_DIN2
USB_DIN1
LRCK_USB
BCK_USB
USB_ERR
USB_BUSY
USB_SDI
USB_SDO
USB_SCK
USB_CS
USB_RESET
SCL
SDA
CPU_SDA
CPU_SCL
IC2016
IC2017
TC7W53FU
IC2015
IC2014
TC7SH08FUS1
IC2003
S-24CS64A01
IC2002
TUSB3200ACPAH
X2001
DSS1136-A
IC2001
TC7S04FU
Q2001
RT1N241M-TLB
D2004
D2005
1SS355-TRB
L2003
ATH7015-A
L2004
QTL1013-A
L2001
L2002
D2001
NNCD6.2MF
D2003
UDZS6R8(B)
JA2001
DKN1237-A
+5V_USB
D-USB
D+USB
GNDD
From USB typeB
JA2002
DKN1188-A
MIDI OUT
MIDI SHIELD DNH2736-A
MIDI_OUT
EEP_SCL
EEP_SDA
V+3R3D_USB
V+5D_USB
V+5U_USB
STBY
NM
1
2
3


CH3
CH4
CH1
CH2
Computer1
Computer2
JA2009
DKN1572-A
JA2010
DKN1572-A
JA2011
DKN1572-A
Q2001
RT1N241M-TLB
D2005
1SS355-TRB
D2002
V+1R8_ETHT
C2037
47u/25
GNDD
PWFB
TXP0
TXN0
RXP0
RXN0
RXN1
RXP1
TXN1
TXP1
TXP2
TXN2
RXP2
RXN2
RXN3
RXP3
TXN3
TXP3
TXP4
TXN4
RXP4
RXN4
TXP6
TXN6
RXP6
RXN6
F2004
F2005
F2006
F2007
F2008
F2009
F2010
F2011
F2012
F2013
F2014
F2015
49.9 (F)
0.01u
0.1u
STBY
NM
SS
SQ
8
9
4
5
NOTES
NM is STBY
RS1/10SR***J
SA RS1/4SA***J
SQ RS1/8SQ***J
SS RS1/16SS***J
VM RD1/2VM***J
RN RN1/16SC****D
(D) RS1/10SR****D
(F) RS1/10SR****F
CKSRYB
CH CCSRCH
LA CFTLA
CEAT
HAT CEHAT

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

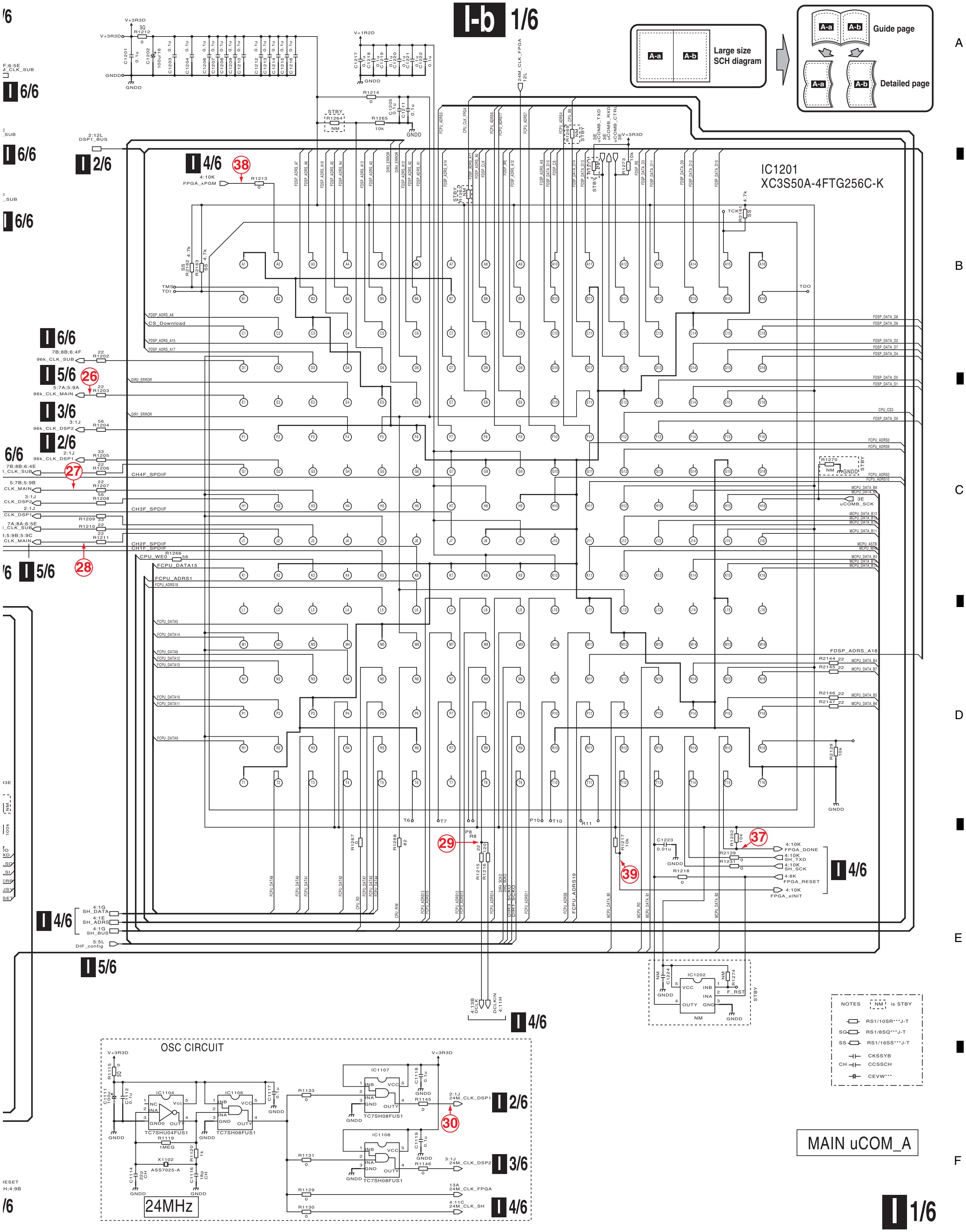
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

10.10 MAIN ASSY (1/6)



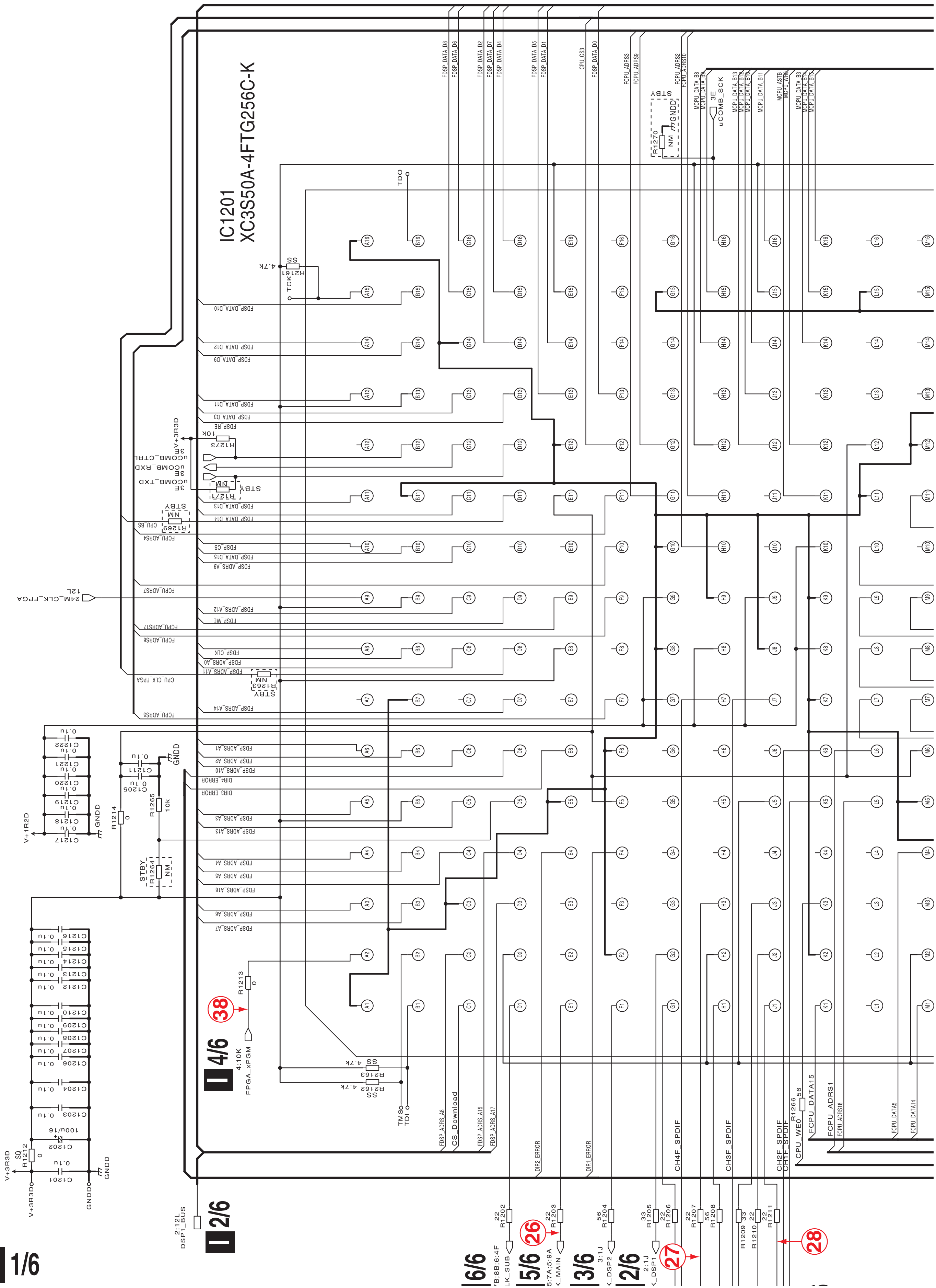
I 1/6 MAIN ASSY (DWX2920)
I-a 1/6
I 4/6-6/6
H CN2001
VKN1430-A
CN1103
A 4/5 CN4302
CN1106
VKN1424-A
A 4/5 CN4303
CN1104
VKN1424-A
N 1/2 CN7509
VKN1436-A
CN1101
M 1/4 CN5001
CN1105
VKN1424-A
For UPDATE
CN1102
VKN1933-A
RESET IC
IC1102
BU4230G
OSC CIRCUIT
IC1101
TC7SHU04FUS1
IC1103
TC7SH08FUS1
X1101
ASS7023-A
20MHz
IC1105
DYW1787- /J
UPD78F1164AGF-GAS
uCOM_A
IC1115
TC74HC4052AFT
IC1109
IC1110
IC1111
IC1112
IC1113
IC1114
IC1914
IC1915
IC1916
IC1917
IC1010
TC7SH08FUS1
Q1101
RT1P241M-11
Q1905
RT1N241M
L1101
LCTAW330J2520-T
MIDI_TXD
USB_RESET
USB_ERR
USB_BUSY
USB_SI
USB_SO
SH_SCL
SH_SDA
SH_RESET
20M_CLK_uCOMA
DIMMER
CPU_MUTE
POWER_RESET
I 2/6
I 3/6
I 4/6
I 5/6
I 6/6
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯
⑰
⑱
⑲
⑳
㉑
㉒
㉓
㉔
㉕
㉖
㉗
㉘
A
B
C
D
E
F

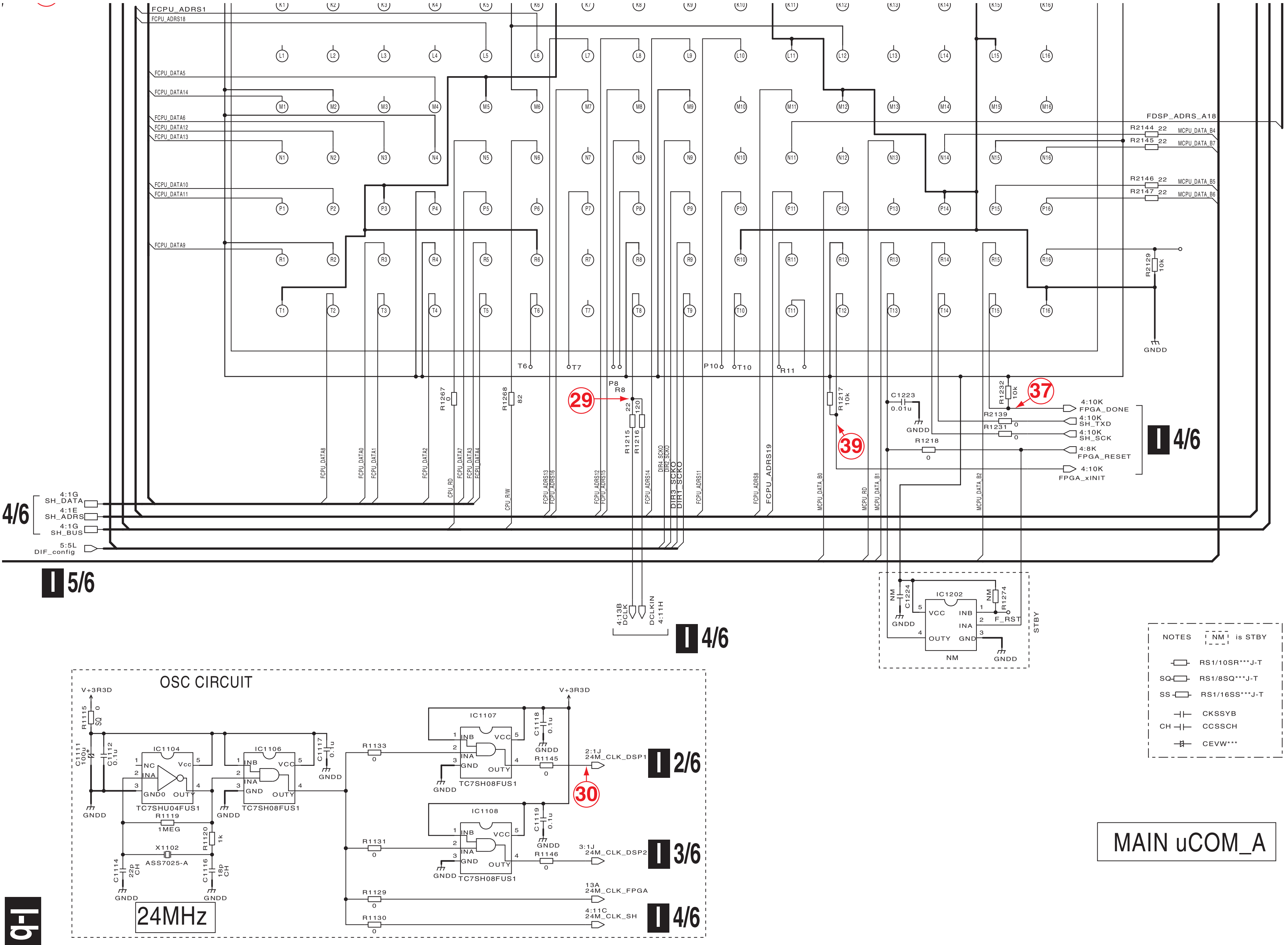
I-b 1/6


Large size SCH diagram
A-a
A-b
Guide page
Detailed page
A
B
C
D
E
F
IC1201
XC3S50A-4FTG256C-K
V+3R3D
V+1R2D
R1212
C1201
C1202
100u/16
C1203
C1204
C1206
C1207
C1208
C1209
C1210
C1212
C1213
C1214
C1215
C1216
0.1u
C1217
C1218
C1219
C1220
C1221
C1222
GNDD
R1214
R1264
STBY
NM
R1265
10k
C1205
C1211
24M_CLK_FPGA
12L
uCOMB_TXD
uCOMB_RXD
uCOMB_CTRL
3E
R1271
R1273
10k
2:12L
DSP1_BUS
I 6/6
I 2/6
I 4/6
4:10K
FPGA_xPGM
R1213
38
TMS
TDI
TCK
TDO
R1261
4.7k
R1262
R1263
SS
CS_Download
FDSP_ADRS_A8
FDSP_ADRS_A15
FDSP_ADRS_A17
7B;8B;6:4F
96k_CLK_SUB
R1202
I 5/6
26
5:7A;5:9A
96k_CLK_MAIN
R1203
I 3/6
3:1J
96k_CLK_DSP2
R1204
2:1J
96k_CLK_DSP1
R1205
R1206
27
R1207
R1208
R1209
R1210
R1211
28
DIR2_ERROR
DIR1_ERROR
CH4F_SPDIF
CH3F_SPDIF
CH2F_SPDIF
CH1F_SPDIF
CPU_WE0
R1266
FCPU_DATA15
FCPU_ADRS1
FDSP_ADRS_A18
R2144
R2145
R2146
R2147
R2129
R1270
3E
uCOMB_SCK
T6
T7
P8
R8
P10
T10
R11
29
R1215
R1216
R1267
R1268
R1217
39
C1223
0.01u
R1232
37
R2139
R1231
R1218
4:10K
FPGA_DONE
SH_TXD
SH_SCK
4:8K
FPGA_RESET
FPGA_xINIT
4:1G
SH_DATA
4:1E
SH_ADRS
SH_BUS
5:5L
DIF_config
I 5/6
4:13B
DCLK
DCLKIN
4:11H
IC1202
C1224
R1274
VCC
INB
INA
OUTY
GND
F_RST
OSC CIRCUIT
R1115
C1111
C1112
IC1104
TC7SHU04FUS1
R1119
1MEG
X1102
ASS7025-A
R1120
1k
C1114
C1116
22p
15p
CH
24MHz
IC1106
TC7SH08FUS1
C1117
IC1107
C1118
R1133
R1145
2:1J
24M_CLK_DSP1
30
IC1108
C1119
R1131
R1146
3:1J
24M_CLK_DSP2
R1129
13A
24M_CLK_FPGA
R1130
4:11C
24M_CLK_SH
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***
MAIN uCOM_A
I 1/6

I 1/6 MAIN ASSY (DWX2920)

A-a A-b


IC1201
XC3S50A-4FTG256C-K
TDO
TCK
R2161
SS
4.7K
TMS
TDI
R2162
R2163
SS 4.7K
FPGA_xPGM
4:10K
38
R1213
0
4/6
2/6
2:12L
DSP1_BUS
24M_CLK_FPGA
12L
CPU_CLK_FPGA
R1263
NM
STBY
R1269
NM
STBY
R1271
NM
STBY
R1270
NM
GNDD
STBY
R1273
10K
V+3R3D
uCOMB_CTRL
uCOMB_RXD
uCOMB_TXD
3E
uCOMB_SCK
3E
R1264
NM
STBY
R1265
10k
R1214
0
C1205
0.1u
C1211
0.1u
GNDD
V+1R2D
C1217 0.1u
C1218 0.1u
C1219 0.1u
C1220 0.1u
C1221 0.1u
C1222 0.1u
C1216 0.1u
C1215 0.1u
C1214 0.1u
C1213 0.1u
C1212 0.1u
C1210 0.1u
C1209 0.1u
C1208 0.1u
C1207 0.1u
C1206 0.1u
C1204 0.1u
C1203 0.1u
C1202 100u/16
C1201 0.1u
R1212 SQ 0
V+3R3D
GNDD
FDSP_DATA_D8
FDSP_DATA_D6
FDSP_DATA_D2
FDSP_DATA_D7
FDSP_DATA_D4
FDSP_DATA_D5
FDSP_DATA_D1
CPU_CS3
FDSP_DATA_D0
FCPU_ADRS3
FCPU_ADRS9
FCPU_ADRS2
FCPU_ADRS10
MCPU_DATA_B8
MCPU_DATA_B13
MCPU_DATA_B11
MCPU_ASTB
MCPU_WR
MCPU_DATA_B3
FDSP_DATA_D10
FDSP_DATA_D12
FDSP_DATA_D9
FDSP_DATA_D11
FDSP_DATA_D3
FDSP_RE
FDSP_DATA_D13
FDSP_DATA_D14
CPU_BS
FCPU_ADRS4
FDSP_CS
FDSP_DATA_D15
FDSP_ADRS_A9
FCPU_ADRS7
FDSP_ADRS_A12
FDSP_WE
FCPU_ADRS17
FCPU_ADRS6
FDSP_CLK
FDSP_ADRS_A0
FDSP_ADRS_A11
FCPU_ADRS5
FDSP_ADRS_A14
FDSP_ADRS_A1
FDSP_ADRS_A2
FDSP_ADRS_A10
DIR4_ERROR
DIR3_ERROR
FDSP_ADRS_A3
FDSP_ADRS_A13
FDSP_ADRS_A4
FDSP_ADRS_A5
FDSP_ADRS_A16
FDSP_ADRS_A6
FDSP_ADRS_A7
FDSP_ADRS_A8
CS_Download
FDSP_ADRS_A15
FDSP_ADRS_A17
DIR2_ERROR
DIR1_ERROR
CH4F_SPDIF
CH3F_SPDIF
CH2F_SPDIF
CH1F_SPDIF
CPU_WE0
R1266 56
FCPU_DATA15
FCPU_ADRS1
FCPU_ADRS18
FCPU_DATA5
FCPU_DATA14
R1202 22
R1203 22
R1204 56
R1205 33
R1206 22
R1207 22
R1208 56
R1209 33
R1210 22
R1211 22
26
27
28
6/6
7B:8B:6:4F
LK_SUB
5/6
5:7A:5:9A
K_MAIN
3/6
3:1J
K_DSP2
2/6
2:1J
K_DSP1


FCPU_ADRS1
FCPU_ADRS18
FCPU_DATA5
FCPU_DATA14
FCPU_DATA6
FCPU_DATA12
FCPU_DATA13
FCPU_DATA10
FCPU_DATA11
FCPU_DATA9
FDSP_ADRS_A18
R2144 22
MCPU_DATA_B4
R2145 22
MCPU_DATA_B7
R2146 22
MCPU_DATA_B5
R2147 22
MCPU_DATA_B6
R2129 10k
GNDD
T6
T7
P8
R8
P10
T10
R11
R1267 0
R1268 82
R1215 22
R1216 120
R1217 10k
R1232 10k
R2139
R1231 0
C1223 0.01u
GNDD
R1218 0
4:10K FPGA_DONE
4:10K SH_TXD
4:10K SH_SCK
4:8K FPGA_RESET
4:10K FPGA_xINIT
4/6
FCPU_DATA8
FCPU_DATA0
FCPU_DATA1
FCPU_DATA2
CPU_RD
FCPU_DATA7
FCPU_DATA3
FCPU_DATA4
CPU_R/W
FCPU_ADRS13
FCPU_ADRS16
FCPU_ADRS12
FCPU_ADRS15
FCPU_ADRS14
DIR4_SCKO
DIR2_SCKO
DIR3_SCKO
DIR1_SCKO
FCPU_ADRS11
FCPU_ADRS8
FCPU_ADRS19
MCPU_DATA_B0
MCPU_RD
MCPU_DATA_B1
MCPU_DATA_B2
4:1G SH_DATA
4:1E SH_ADRS
4:1G SH_BUS
5:5L DIF_config
4/6
5/6
4:13B DCLK
DCLKIN 4:11H
4/6
NM
C1224
GNDD
IC1202
VCC
INB
INA
OUTY
GND
NM
R1274
F_RST
STBY
GNDD
NOTES
NM is STBY
RS1/10SR***J-T
SQ RS1/8SQ***J-T
SS RS1/16SS***J-T
CKSSYB
CH CCSSCH
CEVW***
OSC CIRCUIT
V+3R3D
R1115 0 SQ
C1111 100u
C1112 0.1u
GNDD
IC1104
NC
INA
Vcc
GND0
OUTY
TC7SHU04FUS1
R1119 1MEG
X1102 ASS7025-A
C1114 22p CH
GNDD
R1120 1k
C1116 18p CH
GNDD
24MHz
IC1106
INB
INA
GND
VCC
OUTY
TC7SH08FUS1
GNDD
C1117 0.1u
GNDD
R1133 0
R1131 0
R1129 0
R1130 0
IC1107
IC1108
TC7SH08FUS1
C1118 0.1u
C1119 0.1u
R1145 0
R1146 0
V+3R3D
2:1J 24M_CLK_DSP1
2/6
3:1J 24M_CLK_DSP2
3/6
13A 24M_CLK_FPGA
4:11C 24M_CLK_SH
4/6
29
30
37
39
A-a A-b

MAIN uCOM_A

A

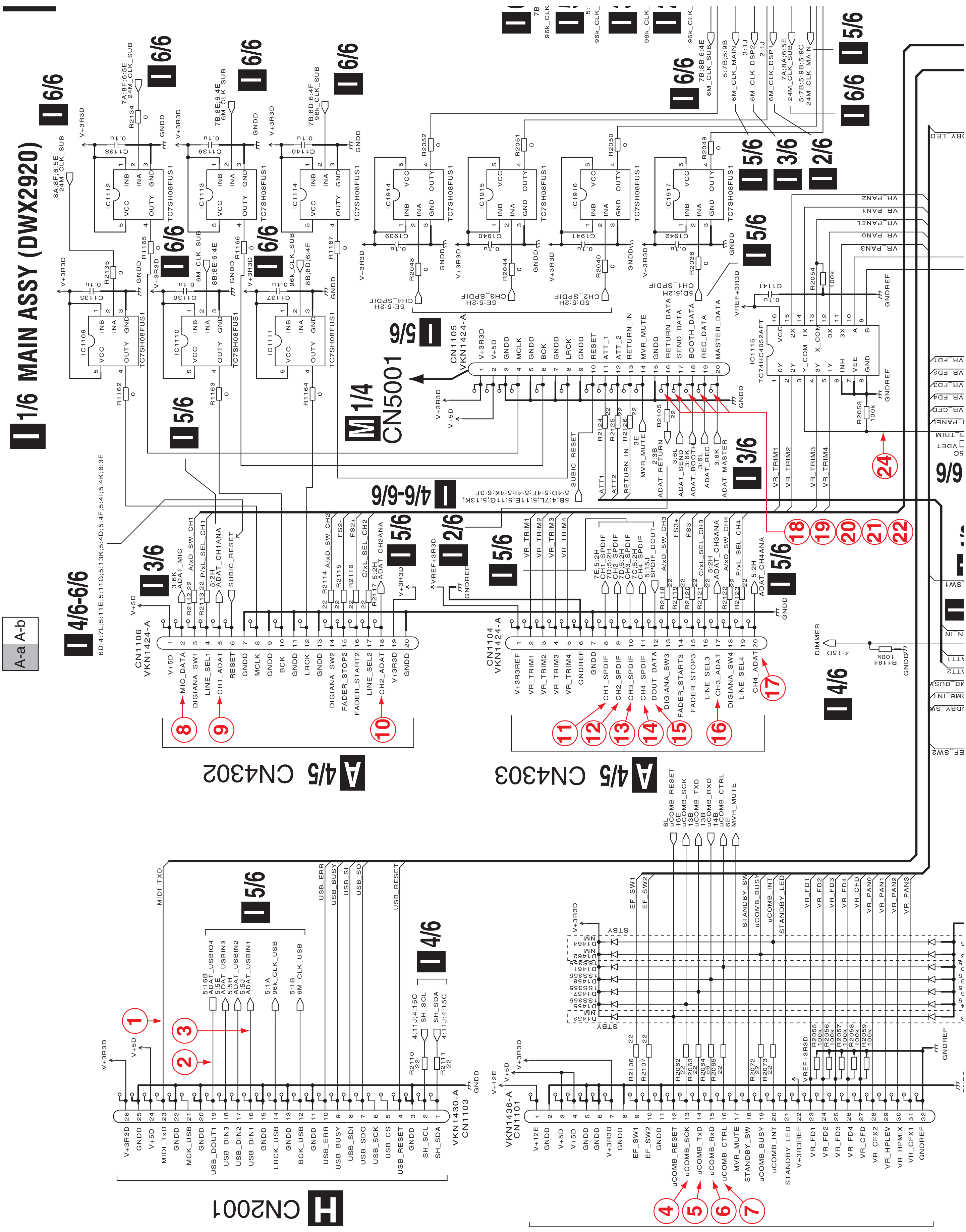
B

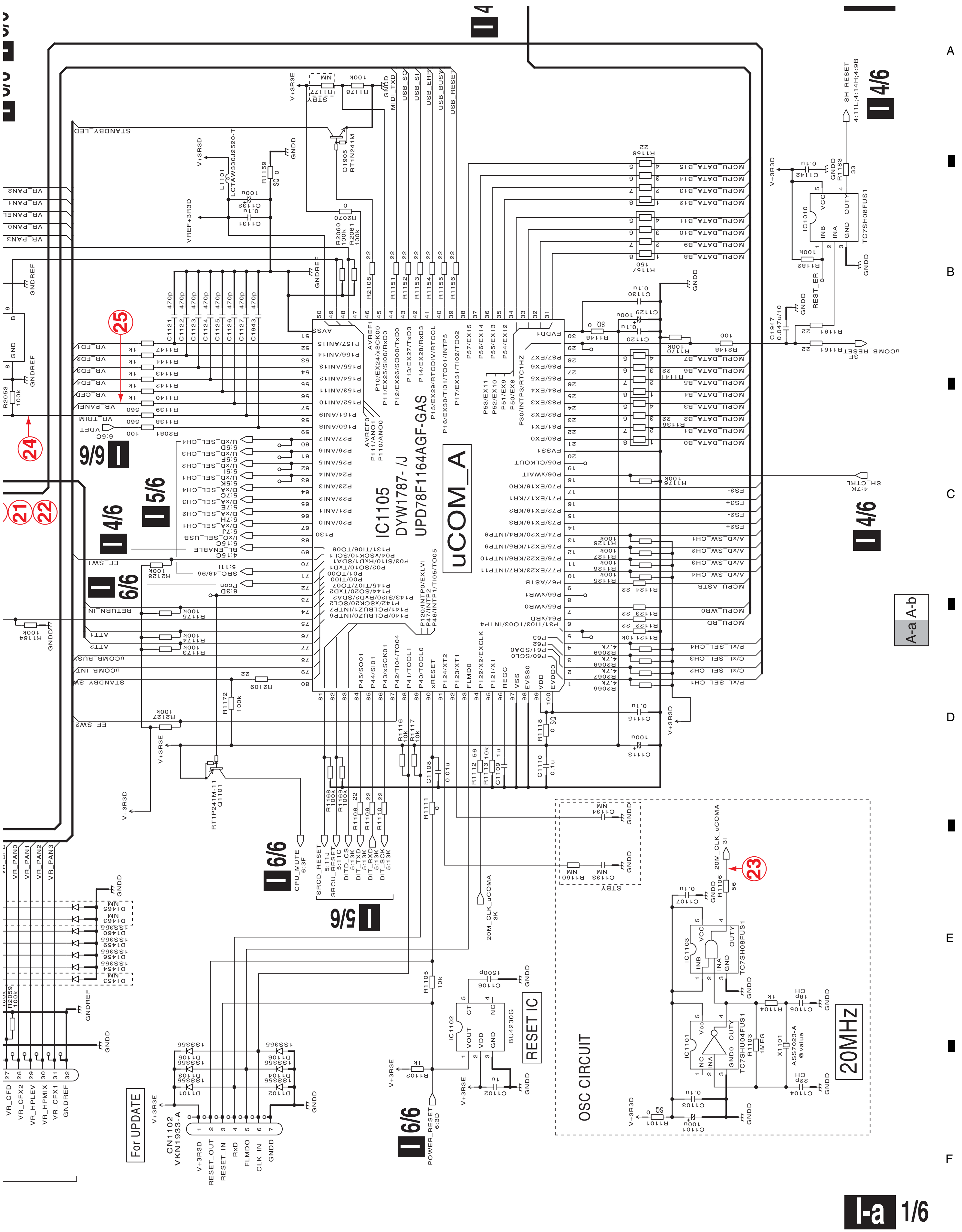
C

D

E

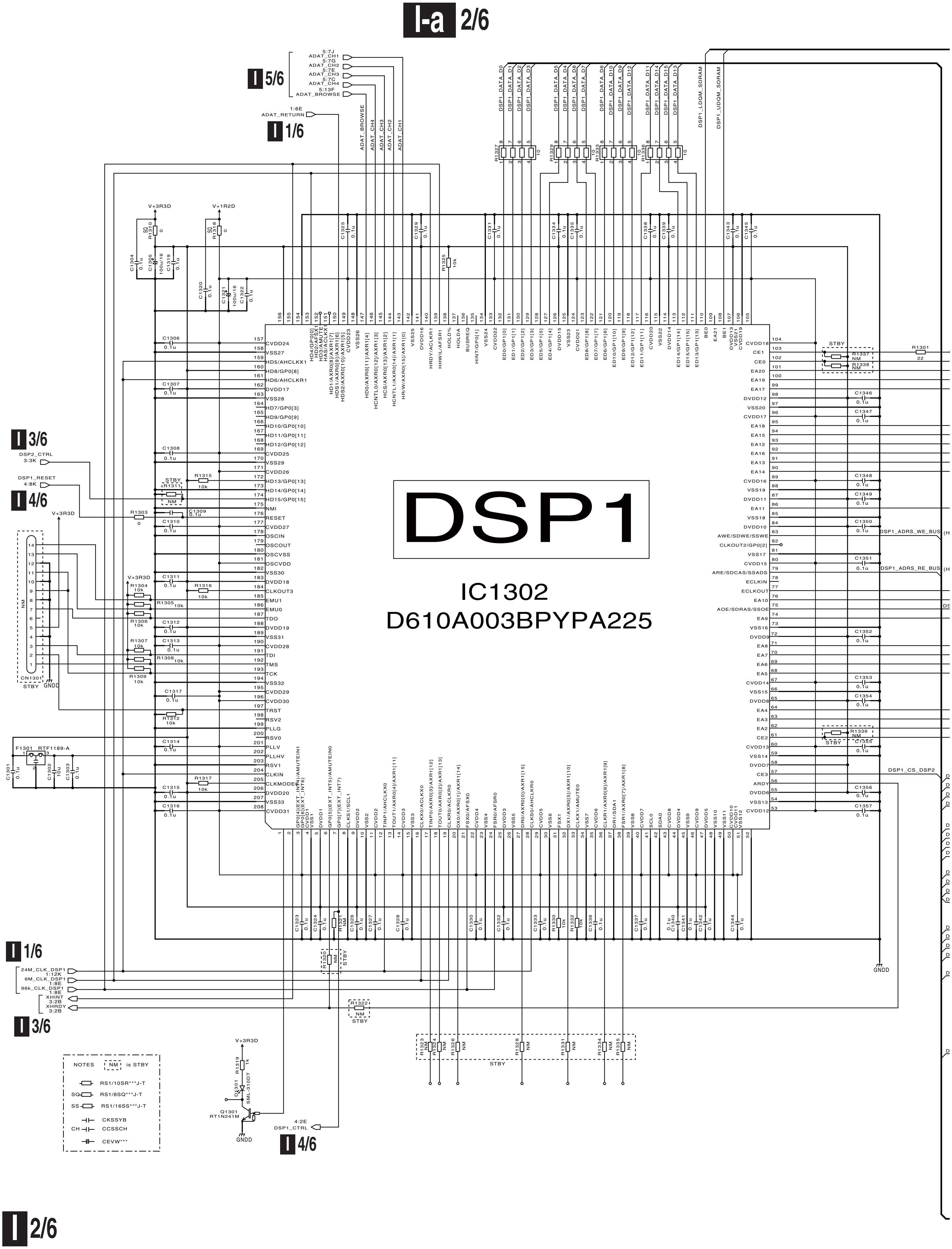
F


I 1/6 MAIN ASSY (DWX2920)
A-a A-b
IC1109 TC7SH08FUS1
IC1110 TC7SH08FUS1
IC1111 TC7SH08FUS1
IC1112 TC7SH08FUS1
IC1113 TC7SH08FUS1
IC1114 TC7SH08FUS1
IC1914 TC7SH08FUS1
IC1915 TC7SH08FUS1
IC1916 TC7SH08FUS1
IC1917 TC7SH08FUS1
IC1115 TC74HC4052AFT
CN1105 VKN1424-A
M 1/4 CN5001
CN1106 VKN1424-A
CN1104 VKN1424-A
A 4/5 CN4302
A 4/5 CN4303
CN1103 VKN1430-A
H CN2001
CN1101 VKN1436-A
N 1/2 CN7509
I 6/6
I 5/6
I 3/6
I 2/6
I 4/6
I 4/6-6/6
DIMMER
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉔



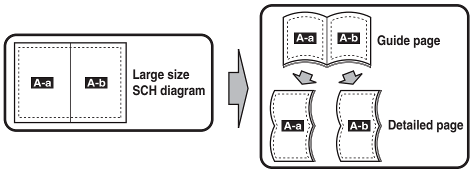
5
6
7
8
A
B
C
D
E
F
IC1105
DYW1787- /J
UPD78F1164AGF-GAS
uCOM_A
IC1010
TC7SH08FUS1
IC1103
TC7SH08FUS1
IC1101
TC7SHU04FUS1
X1101
ASS7023-A
20MHz
OSC CIRCUIT
IC1102
BU4230G
RESET IC
CN1102
VKN1933-A
For UPDATE
Q1905
RT1N241M
Q1101
RT1P241M-11
L1101
LCTAW330J2520-T
STANDBY_LED
STANDBY_SW
SH_RESET
SH_CTRL
uCOMB_RESET
uCOMB_BUSY
uCOMB_INT
POWER_RESET
CPU_MUTE
20M_CLK_uCOMA
I 4
I 4/6
I 5/6
I 6/6
I 9/9
A-a A-b
I-a 1/6

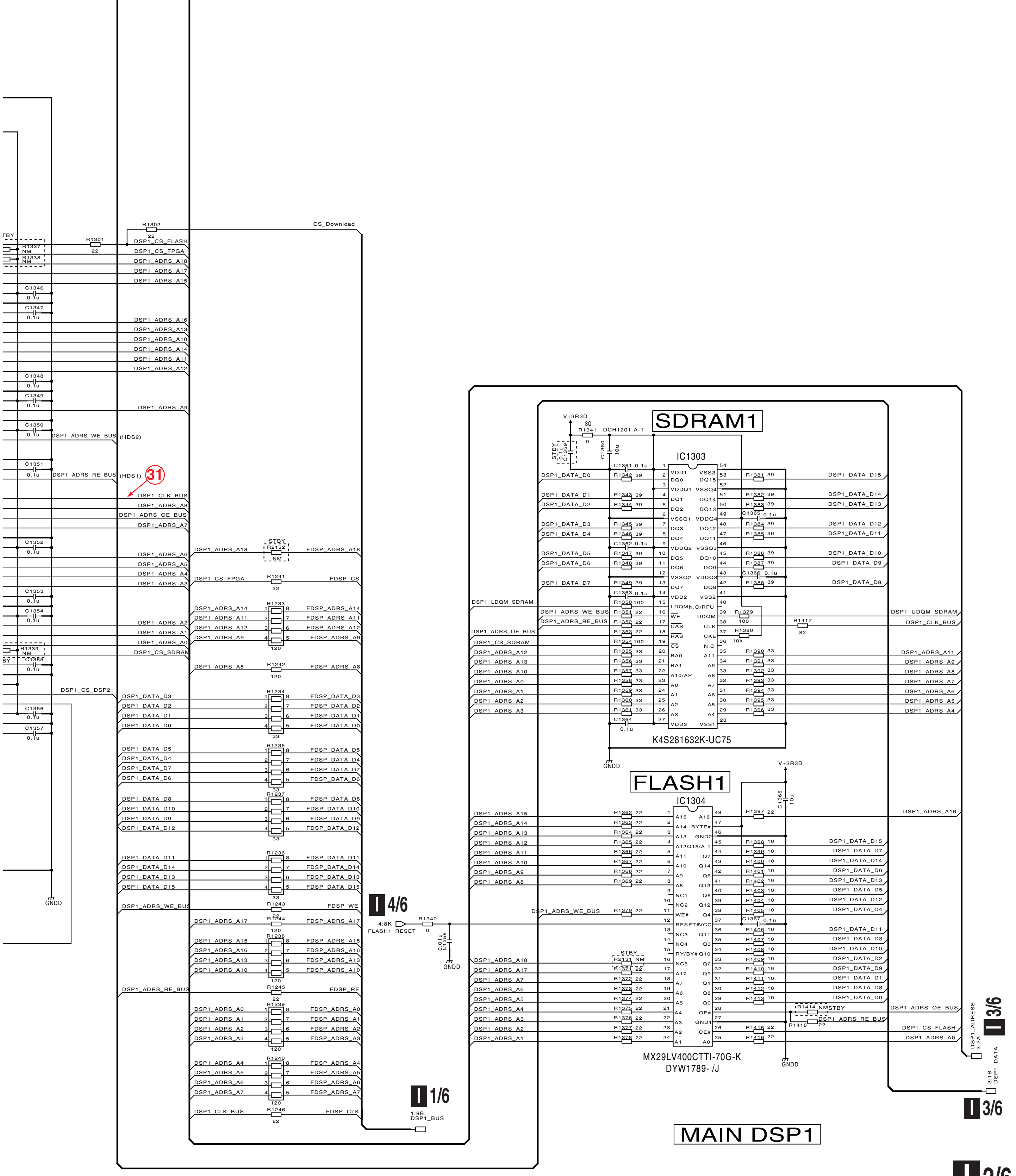
10.11 MAIN ASSY (2/6)


I-a 2/6
I 5/6
ADAT_CH1
ADAT_CH2
ADAT_CH3
ADAT_CH4
ADAT_BROWSE
ADAT_RETURN
I 1/6
DSP1_DATA_D0
DSP1_DATA_D1
DSP1_DATA_D2
DSP1_DATA_D3
DSP1_DATA_D4
DSP1_DATA_D5
DSP1_DATA_D6
DSP1_DATA_D7
DSP1_DATA_D8
DSP1_DATA_D9
DSP1_DATA_D10
DSP1_DATA_D11
DSP1_DATA_D12
DSP1_DATA_D13
DSP1_DATA_D14
DSP1_DATA_D15
DSP1_LDQM_SDRAM
DSP1_UDQM_SDRAM
V+3R3D
V+1R2D
I 3/6
DSP2_CTRL
DSP1_RESET
I 4/6
CN1301
STBY
GNDD
F1301 RTF1189-A
DSP1
IC1302
D610A003BPYPA225
DSP1_ADRS_WE_BUS
DSP1_ADRS_RE_BUS
DSP1_CS_DSP2
I 1/6
24M_CLK_DSP1
6M_CLK_DSP1
96k_CLK_DSP1
XHINT
XHRDY
I 3/6
D1301 SML-310DT
Q1301 RT1N241M
DSP1_CTRL
I 4/6
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***
I 2/6

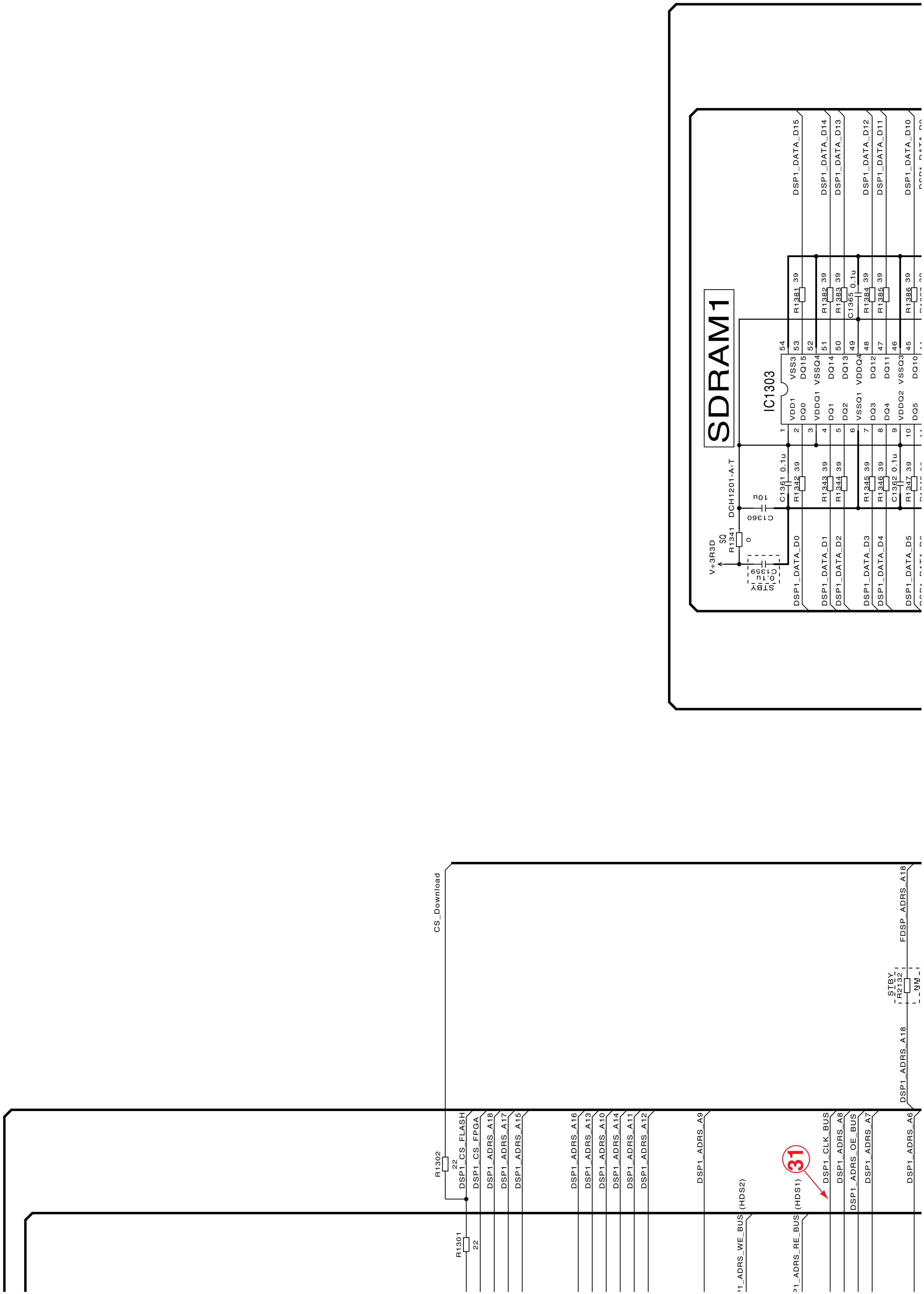
I-b 2/6

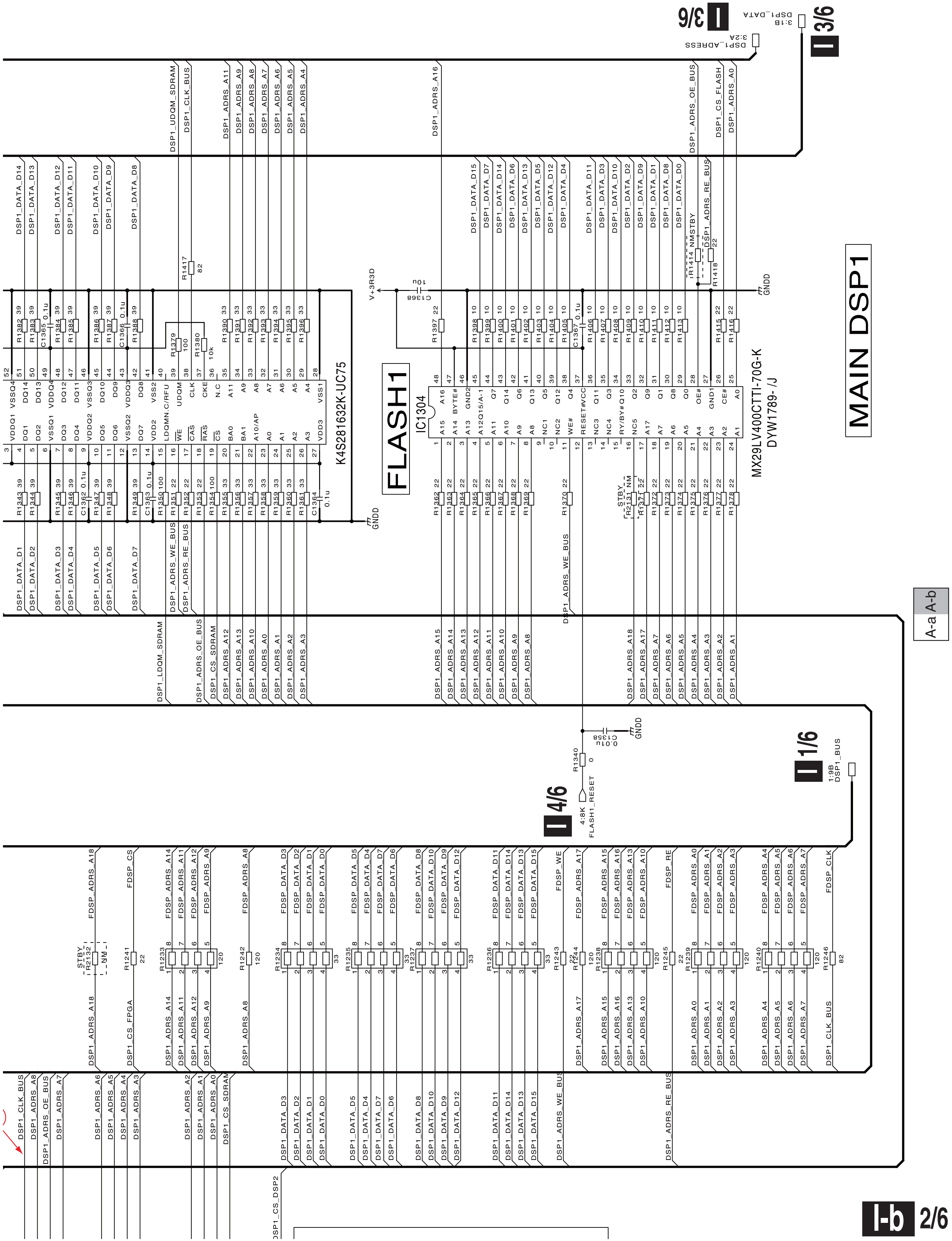
I 2/6 MAIN ASSY (DWX2920)


A-a
A-b
Large size SCH diagram
A-a
A-b
Guide page
A-a
A-b
Detailed page


CS_Download
R1302 22
R1301 22
DSP1_CS_FLASH
DSP1_CS_FPGA
DSP1_ADRS_A18
DSP1_ADRS_A17
DSP1_ADRS_A15
DSP1_ADRS_A16
DSP1_ADRS_A13
DSP1_ADRS_A10
DSP1_ADRS_A14
DSP1_ADRS_A11
DSP1_ADRS_A12
DSP1_ADRS_A9
DSP1_ADRS_WE_BUS (HDS2)
DSP1_ADRS_RE_BUS (HDS1)
31
DSP1_CLK_BUS
DSP1_ADRS_A8
DSP1_ADRS_OE_BUS
DSP1_ADRS_A7
DSP1_ADRS_A6
DSP1_ADRS_A5
DSP1_ADRS_A4
DSP1_ADRS_A3
DSP1_ADRS_A2
DSP1_ADRS_A1
DSP1_ADRS_A0
DSP1_CS_SDRAM
DSP1_CS_DSP2
C1346 0.1u
C1347 0.1u
C1348 0.1u
C1349 0.1u
C1350 0.1u
C1351 0.1u
C1352 0.1u
C1353 0.1u
C1354 0.1u
C1355 0.1u
C1356 0.1u
C1357 0.1u
R1337 NM
R1338 NM
R1339 NM
STBY
GNDD
STBY R2132 NM
DSP1_ADRS_A18 FDSP_ADRS_A18
R1241 22 FDSP_CS
R1233 120
R1242 120 FDSP_ADRS_A8
R1234 33
R1235 33
R1237 33
R1236 33
R1243 22 FDSP_WE
R1244 120
R1238 120
R1245 22 FDSP_RE
R1239 120
R1240 120
R1246 82 FDSP_CLK
I 4/6
4:8K FLASH1_RESET
R1340 0
C1358 0.01u
I 1/6
1:9B DSP1_BUS
SDRAM1
V+3R3D
R1341 0
DCH1201-A-T
C1359 0.1u
C1360 10u
IC1303
K4S281632K-UC75
DSP1_DATA_D0 … DSP1_DATA_D15
DSP1_LDQM_SDRAM
DSP1_UDQM_SDRAM
DSP1_CLK_BUS
R1379 100
R1380 10k
R1417 82
FLASH1
IC1304
C1368 10u
R1397 22
DSP1_ADRS_A16
MX29LV400CTTI-70G-K
DYW1789- /J
R1414 NMSTBY
R1418 22
DSP1_ADRS_OE_BUS
DSP1_ADRS_RE_BUS
DSP1_CS_FLASH
DSP1_ADRS_A0
3:2A DSP1_ADRESS
I 3/6
3:1B DSP1_DATA
I 3/6
MAIN DSP1

A-a A-b


SDRAM1
IC1303
DCH1201-A-T
V+3R3D
R1341 0
C1359 0.1u STBY
C1360 10u
C1361 0.1u
C1362 0.1u
C1365 0.1u
R1342 39
R1343 39
R1344 39
R1345 39
R1346 39
R1347 39
R1381 39
R1382 39
R1383 39
R1384 39
R1385 39
R1386 39
VDD1
DQ0
VDDQ1
DQ1
DQ2
VSSQ1
DQ3
DQ4
VDDQ2
DQ5
VSS3
DQ15
VSSQ4
DQ14
DQ13
VDDQ4
DQ12
DQ11
VSSQ3
DQ10
DSP1_DATA_D0
DSP1_DATA_D1
DSP1_DATA_D2
DSP1_DATA_D3
DSP1_DATA_D4
DSP1_DATA_D5
DSP1_DATA_D15
DSP1_DATA_D14
DSP1_DATA_D13
DSP1_DATA_D12
DSP1_DATA_D11
DSP1_DATA_D10
CS_Download
R1302 22
R1301 22
DSP1_CS_FLASH
DSP1_CS_FPGA
DSP1_ADRS_A18
DSP1_ADRS_A17
DSP1_ADRS_A15
DSP1_ADRS_A16
DSP1_ADRS_A13
DSP1_ADRS_A10
DSP1_ADRS_A14
DSP1_ADRS_A11
DSP1_ADRS_A12
DSP1_ADRS_A9
DSP1_CLK_BUS
DSP1_ADRS_A8
DSP1_ADRS_OE_BUS
DSP1_ADRS_A7
DSP1_ADRS_A6
P1_ADRS_WE_BUS (HDS2)
P1_ADRS_RE_BUS (HDS1)
31
FDSP_ADRS_A18
STBY R2132 NM
DSP1_ADRS_A18


MAIN DSP1
FLASH1
IC1304
MX29LV400CTTI-70G-K
DYW1789- /J
K4S281632K-UC75
I 3/6
DSP1_ADRESS 3:2A
DSP1_DATA 3:1B
I 1/6
DSP1_BUS 1:9B
I 4/6
FLASH1_RESET 4:8K
R1340 0
C1358 0.01u
C1368 10u
V+3R3D
GNDD
A-a A-b
STBY
NM
DSP1_CLK_BUS
DSP1_ADRS_WE_BUS
DSP1_ADRS_RE_BUS
DSP1_ADRS_OE_BUS
DSP1_CS_SDRAM
DSP1_CS_FLASH
DSP1_CS_FPGA
DSP1_CS_DSP2
DSP1_UDQM_SDRAM
DSP1_LDQM_SDRAM
FDSP_CS
FDSP_WE
FDSP_RE
FDSP_CLK
NMSTBY

A

B

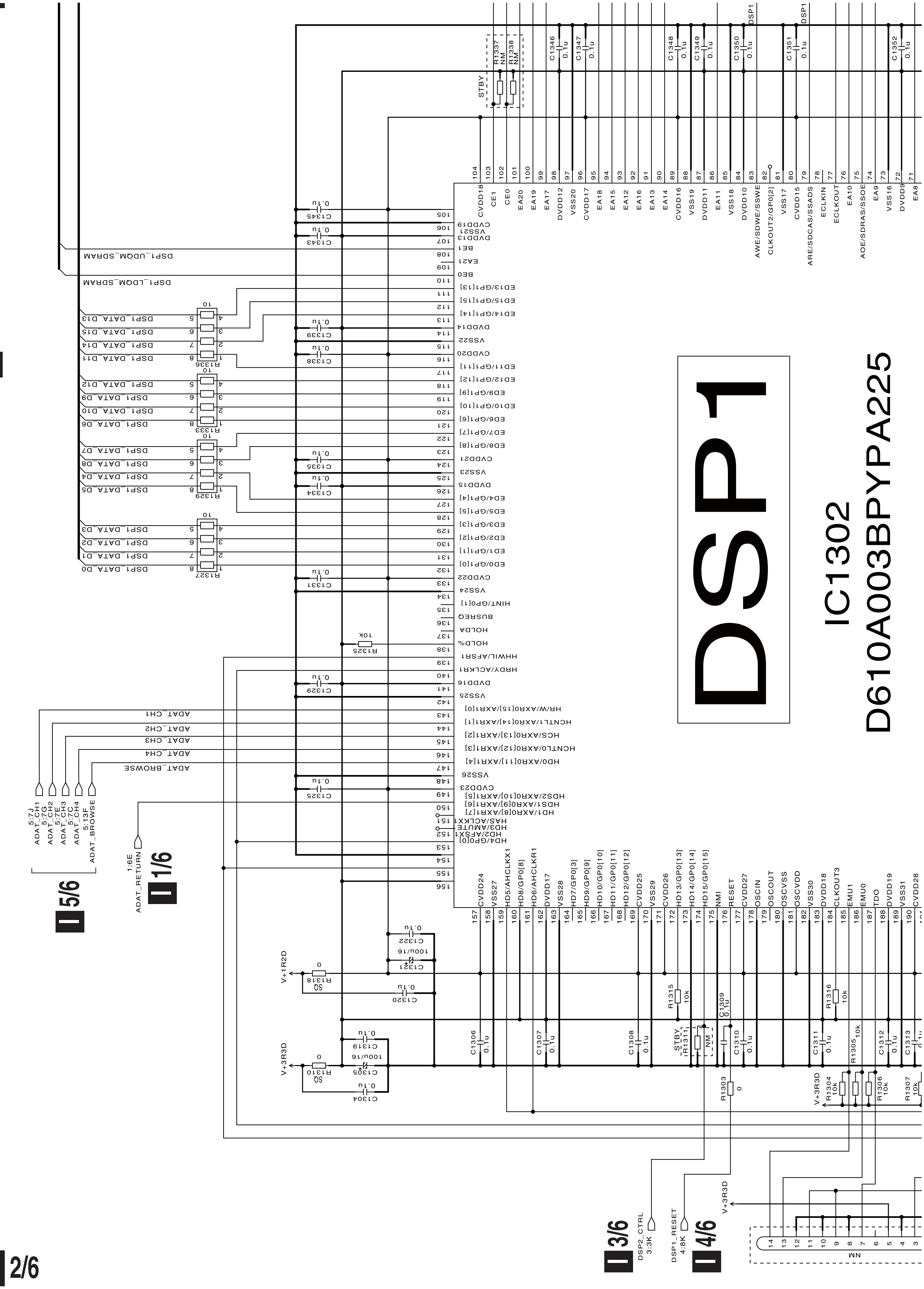
C

D

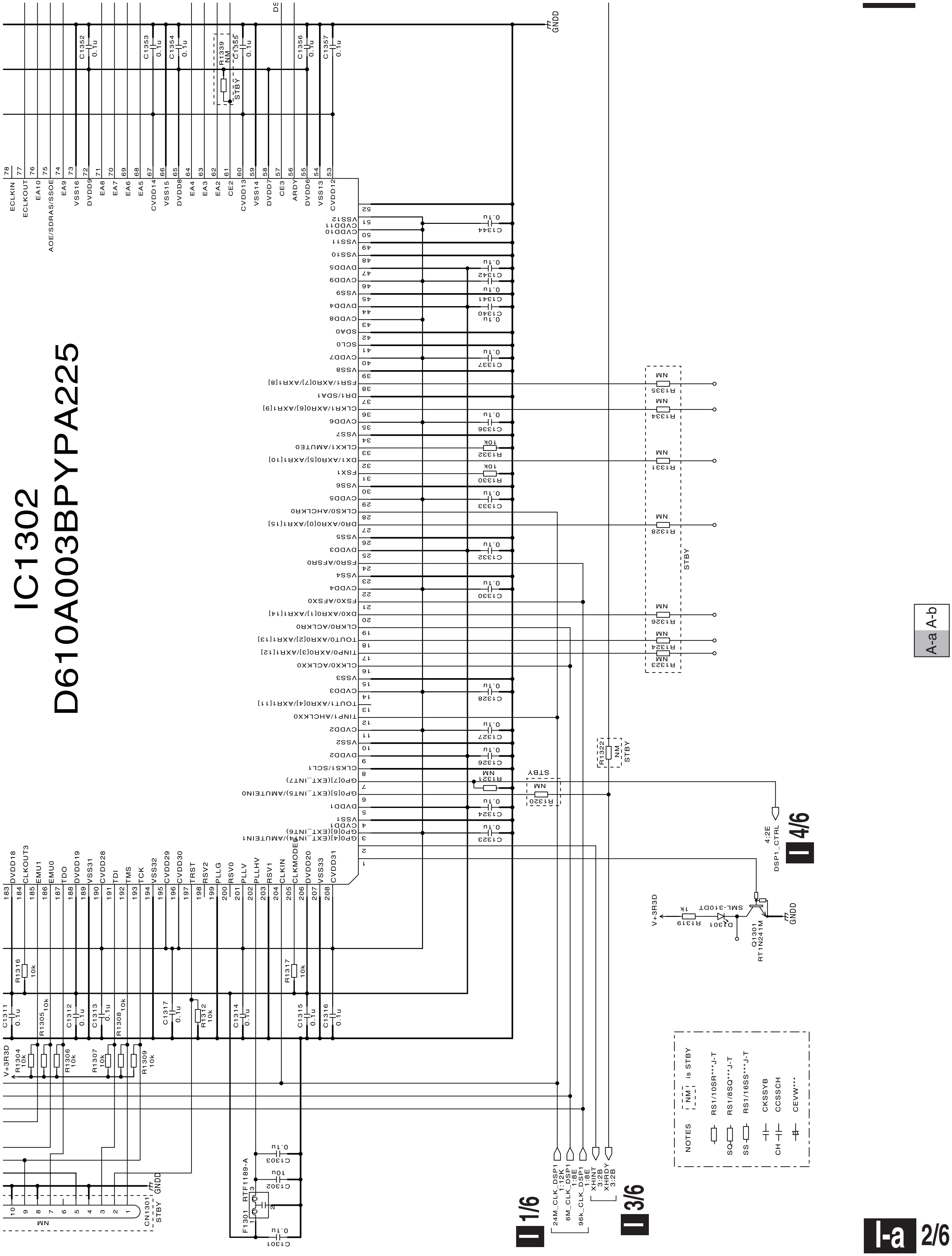
E

F

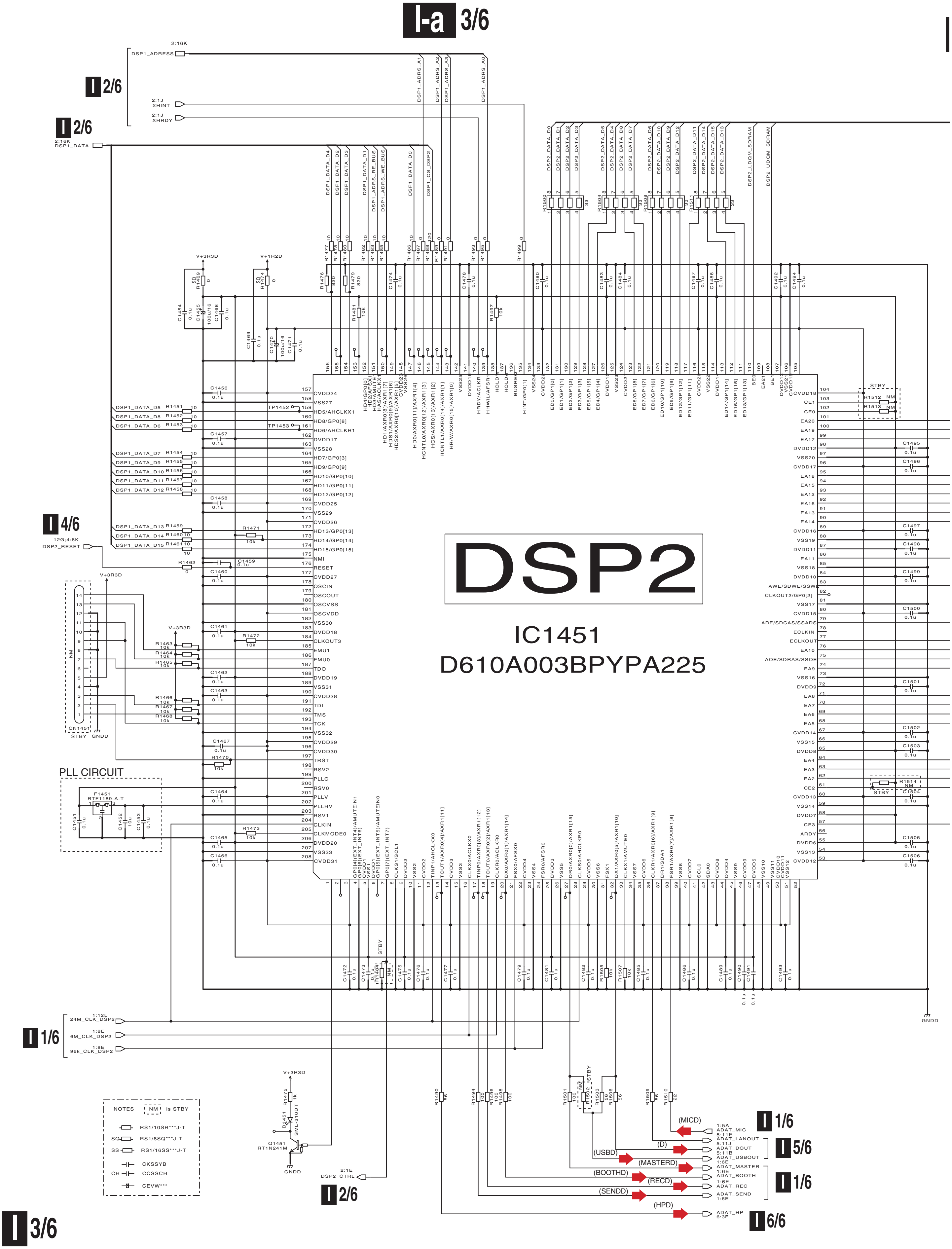
I 2/6 MAIN ASSY (DWX2920)


DSP1
IC1302
D610A003BPYPA225
A-a A-b
DSP1_UDQM_SDRAM
DSP1_LDQM_SDRAM
DSP1_DATA_D13
DSP1_DATA_D15
DSP1_DATA_D14
DSP1_DATA_D11
DSP1_DATA_D12
DSP1_DATA_D9
DSP1_DATA_D10
DSP1_DATA_D6
DSP1_DATA_D7
DSP1_DATA_D8
DSP1_DATA_D4
DSP1_DATA_D5
DSP1_DATA_D3
DSP1_DATA_D2
DSP1_DATA_D1
DSP1_DATA_D0
R1336
R1333
R1329
R1327
10
ADAT_CH1
ADAT_CH2
ADAT_CH3
ADAT_CH4
ADAT_BROWSE
5:7J ADAT_CH1
5:7G ADAT_CH2
5:7E ADAT_CH3
5:7C ADAT_CH4
5:13F ADAT_BROWSE
I 5/6
1:6E ADAT_RETURN
I 1/6
C1345 0.1u
C1343 0.1u
C1339 0.1u
C1338 0.1u
C1335 0.1u
C1334 0.1u
C1331 0.1u
C1329 0.1u
C1325 0.1u
R1325 10k
C1322 0.1u
C1321 100u/16
C1320 0.1u
R1318 0 SQ
V+1R2D
C1319 0.1u
C1305 100u/16
C1304 0.1u
R1310 0 SQ
V+3R3D
C1306 0.1u
C1307 0.1u
C1308 0.1u
STBY R1311 NM
C1309 0.1u
C1310 0.1u
R1315 10k
R1316 10k
C1311 0.1u
R1305 10k
C1312 0.1u
C1313
R1303 0
R1304 10k
R1306 10k
R1307 10k
V+3R3D
DSP2_CTRL 3:3K
I 3/6
DSP1_RESET 4:8K
I 4/6
NM
STBY
R1337 NM
R1338 NM
C1346 0.1u
C1347 0.1u
C1348 0.1u
C1349 0.1u
C1350 0.1u
C1351 0.1u
C1352 0.1u
DSP1
CVDD18 CE1 CE0 EA20 EA19 EA17 DVDD12 VSS20 CVDD17 EA18 EA15 EA12 EA16 EA13 EA14 CVDD16 VSS19 DVDD11 EA11 VSS18 DVDD10 AWE/SDWE/SSWE CLKOUT2/GP0[2] VSS17 CVDD15 ARE/SDCAS/SSADS ECLKIN ECLKOUT EA10 AOE/SDRAS/SSOE EA9 VSS16 DVDD9 EA8
CVDD19 VSS21 DVDD13 BE1 EA21 BE0 ED13/GP1[13] ED15/GP1[15] ED14/GP1[14] DVDD14 VSS22 CVDD20 ED11/GP1[11] ED12/GP1[12] ED9/GP1[9] ED10/GP1[10] ED6/GP1[6] ED7/GP1[7] ED8/GP1[8] CVDD21 VSS23 DVDD15 ED4/GP1[4] ED5/GP1[5] ED3/GP1[3] ED2/GP1[2] ED1/GP1[1] ED0/GP1[0] CVDD22 VSS24 HINT/GP0[1] BUSREQ HOLDA HOLD% HHWIL/AFSR1 HRDY/ACLKR1 DVDD16 VSS25 HR/W/AXR0[15]/AXR1[0] HCNTL1/AXR0[14]/AXR1[1] HCS/AXR0[13]/AXR1[2] HCNTL0/AXR0[12]/AXR1[3] HD0/AXR0[11]/AXR1[4] VSS26 CVDD23 HDS2/AXR0[10]/AXR1[5] HDS1/AXR0[9]/AXR1[6] HD1/AXR0[8]/AXR1[7] HAS/ACLKX1 HD3/AMUTE HD2/AFSX1 HD4/GP0[0]
CVDD24 VSS27 HD5/AHCLKX1 HD8/GP0[8] HD6/AHCLKR1 DVDD17 VSS28 HD7/GP0[3] HD9/GP0[9] HD10/GP0[10] HD11/GP0[11] HD12/GP0[12] CVDD25 VSS29 CVDD26 HD13/GP0[13] HD14/GP0[14] HD15/GP0[15] NMI RESET CVDD27 OSCIN OSCOUT OSCVSS OSCVDD VSS30 DVDD18 CLKOUT3 EMU1 EMU0 TDO DVDD19 VSS31 CVDD28

I-a 2/6


IC1302
D610A003BPYPA225
78 ECLKIN
77 ECLKOUT
76 EA10
75 AOE/SDRAS/SSOE
74 EA9
73 VSS16
72 DVDD9
71 EA8
70 EA7
69 EA6
68 EA5
67 CVDD14
66 VSS15
65 DVDD8
64 EA4
63 EA3
62 EA2
61 CE2
60 CVDD13
59 VSS14
58 DVDD7
57 CE3
56 ARDY
55 DVDD6
54 VSS13
53 CVDD12
52 VSS12
51 CVDD11
50 CVDD10
49 VSS11
48 VSS10
47 DVDD5
46 CVDD9
45 VSS9
44 DVDD4
43 CVDD8
42 SDA0
41 SCL0
40 CVDD7
39 VSS8
38 FSR1/AXR0[7]/AXR1[8]
37 DR1/SDA1
36 CLKR1/AXR0[6]/AXR1[9]
35 CVDD6
34 VSS7
33 CLKX1/AMUTE0
32 DX1/AXR0[5]/AXR1[10]
31 FSX1
30 VSS6
29 CVDD5
28 CLKS0/AHCLKR0
27 DR0/AXR0[0]/AXR1[15]
26 VSS5
25 DVDD3
24 FSR0/AFSR0
23 VSS4
22 CVDD4
21 FSX0/AFSX0
20 DX0/AXR0[1]/AXR1[14]
19 CLKR0/ACLKR0
18 TOUT0/AXR0[2]/AXR1[13]
17 TINP0/AXR0[3]/AXR1[12]
16 CLKX0/ACLKX0
15 VSS3
14 CVDD3
13 TOUT1/AXR0[4]/AXR1[11]
12 TINP1/AHCLKX0
11 CVDD2
10 VSS2
9 DVDD2
8 CLKS1/SCL1
7 GPO[7](EXT_INT7)
6 GPO[5](EXT_INT5)/AMUTEIN0
5 DVDD1
4 VSS1
3 CVDD1
2 GPO[6](EXT_INT6)
1 GPO[4](EXT_INT4)/AMUTEIN1
183 DVDD18
184 CLKOUT3
185 EMU1
186 EMU0
187 TDO
188 DVDD19
189 VSS31
190 CVDD28
191 TDI
192 TMS
193 TCK
194 VSS32
195 CVDD29
196 CVDD30
197 TRST
198 RSV2
199 PLLG
200 RSV0
201 PLLV
202 PLLHV
203 RSV1
204 CLKIN
205 CLKMODE0
206 DVDD20
207 VSS33
208 CVDD31
DS
GNDD
C1352 0.1u
C1353 0.1u
C1354 0.1u
R1339 NM
C1355 0.1u
STBY
C1356 0.1u
C1357 0.1u
C1344 0.1u
C1342 0.1u
C1341 0.1u
C1340 0.1u
C1337 0.1u
C1336 0.1u
R1332 10K
R1330 10K
C1333 0.1u
C1332 0.1u
C1330 0.1u
C1328 0.1u
C1327 0.1u
C1326 0.1u
R1321 NM
C1324 0.1u
C1323 0.1u
R1320 NM
STBY
R1335 NM
R1334 NM
R1331 NM
R1328 NM
R1326 NM
R1324 NM
R1323 NM
STBY
R1322 NM STBY
4:2E
DSP1_CTRL
4/6
V+3R3D
R1319 1k
D1301 SML-310DT
Q1301 RT1N241M
GNDD
R1316 10k
R1317 10k
C1311 0.1u
R1305 10k
C1312 0.1u
C1313 0.1u
R1308 10k
C1317 0.1u
R1312 10k
C1314 0.1u
C1315 0.1u
C1316 0.1u
V+3R3D
R1304 10k
R1306 10k
R1307 10k
R1309 10k
CN1301 STBY
NM
10 9 8 7 6 5 4 3 2 1
GNDD
F1301 RTF1189-A
C1303 0.1u
C1302 10u
C1301 0.1u
24M_CLK_DSP1 1:12K
6M_CLK_DSP1 1:8E
96k_CLK_DSP1 1:8E
XHINT 3:2B
XHRDY 3:2B
1/6
3/6
NOTES
NM is STBY
RS1/10SR***J-T
SQ RS1/8SQ***J-T
SS RS1/16SS***J-T
CKSSYB
CH CCSSCH
CEVW***
A B C D E F
A-a A-b

10.12 MAIN ASSY (3/6)

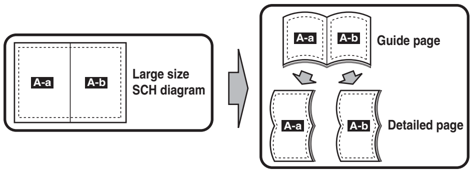


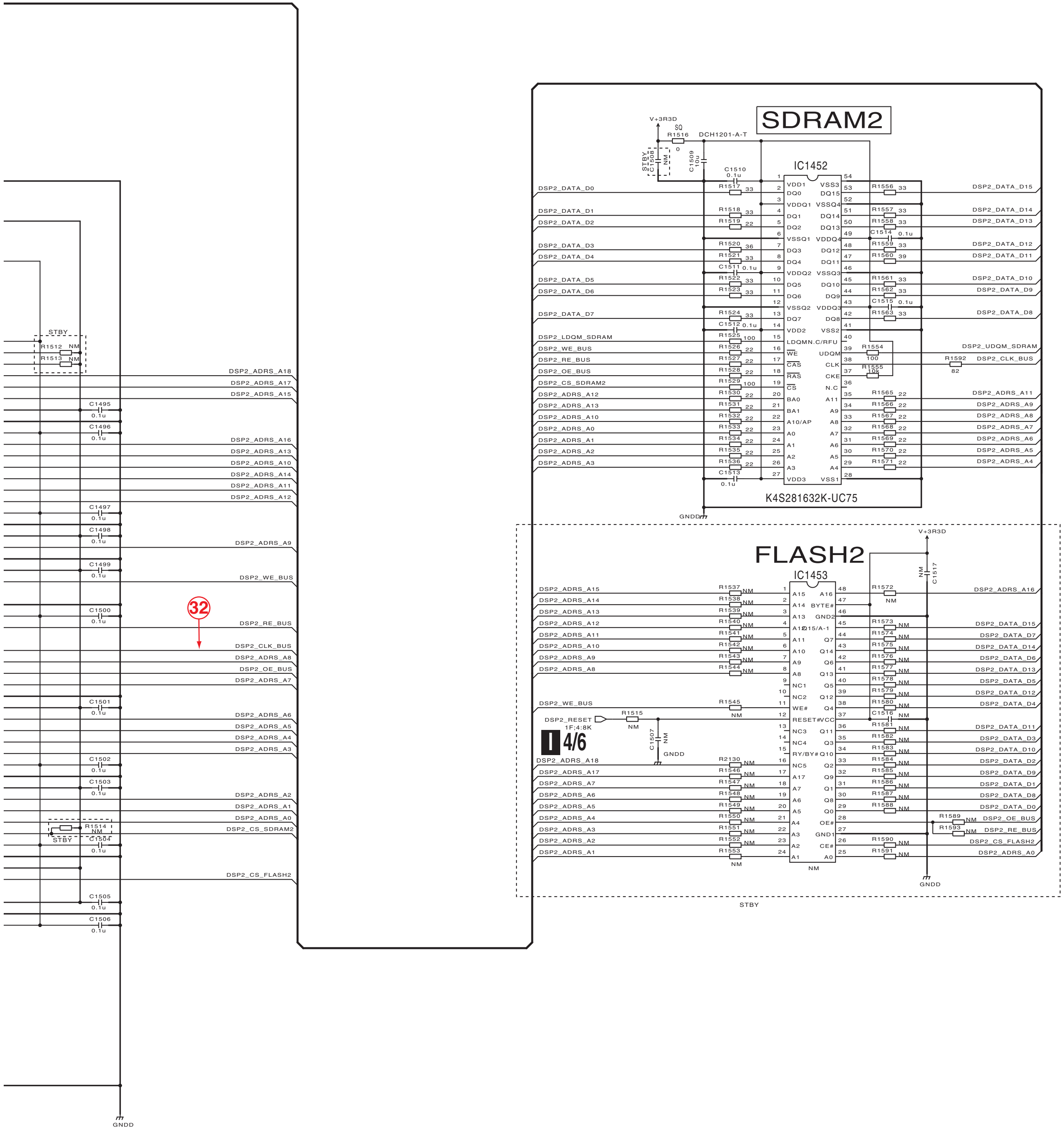
I-a 3/6
I 2/6
I 2/6
I 4/6
I 1/6
I 2/6
I 1/6
I 5/6
I 1/6
I 6/6
DSP1_ADRESS
XHINT
XHRDY
DSP1_DATA
DSP2_RESET
DSP2
IC1451
D610A003BPYPA225
PLL CIRCUIT
F1451
RTF1189-A-T
CN1451
STBY
GNDD
V+3R3D
V+1R2D
24M_CLK_DSP2
6M_CLK_DSP2
96k_CLK_DSP2
DSP2_CTRL
Q1451
RT1N241M
D1451
SML-310DT
(MICD)
ADAT_MIC
(D)
ADAT_LANOUT
ADAT_DOUT
(USBD)
ADAT_USBOUT
(MASTERD)
ADAT_MASTER
(BOOTHD)
ADAT_BOOTH
(RECD)
ADAT_REC
(SENDD)
ADAT_SEND
(HPD)
ADAT_HP
NOTES
NM is STBY
RS1/10SR***J-T
SQ RS1/8SQ***J-T
SS RS1/16SS***J-T
CKSSYB
CH CCSSCH
CEVW***

I 3/6

I 3/6 MAIN ASSY (DWX2920)

I-b 3/6


A-a
A-b
Large size SCH diagram
Guide page
Detailed page


SDRAM2
IC1452
K4S281632K-UC75
V+3R3D
R1516 SQ 0
DCH1201-A-T
STBY C1508 NM
C1509 10u
C1510 0.1u
DSP2_DATA_D0
DSP2_DATA_D1
DSP2_DATA_D2
DSP2_DATA_D3
DSP2_DATA_D4
DSP2_DATA_D5
DSP2_DATA_D6
DSP2_DATA_D7
DSP2_LDQM_SDRAM
DSP2_WE_BUS
DSP2_RE_BUS
DSP2_OE_BUS
DSP2_CS_SDRAM2
DSP2_ADRS_A12
DSP2_ADRS_A13
DSP2_ADRS_A10
DSP2_ADRS_A0
DSP2_ADRS_A1
DSP2_ADRS_A2
DSP2_ADRS_A3
VDD1
DQ0
VDDQ1
DQ1
DQ2
VSSQ1
DQ3
DQ4
VDDQ2
DQ5
DQ6
VSSQ2
DQ7
VDD2
LDQM
N.C/RFU
WE
CAS
RAS
CS
BA0
BA1
A10/AP
A0
A1
A2
A3
VDD3
VSS3
DQ15
VSSQ4
DQ14
DQ13
VDDQ4
DQ12
DQ11
VSSQ3
DQ10
DQ9
VDDQ3
DQ8
VSS2
UDQM
CLK
CKE
N.C
A11
A9
A8
A7
A6
A5
A4
VSS1
DSP2_DATA_D15
DSP2_DATA_D14
DSP2_DATA_D13
DSP2_DATA_D12
DSP2_DATA_D11
DSP2_DATA_D10
DSP2_DATA_D9
DSP2_DATA_D8
DSP2_UDQM_SDRAM
R1592 82
DSP2_CLK_BUS
R1554 100
R1555 10k
DSP2_ADRS_A11
DSP2_ADRS_A9
DSP2_ADRS_A8
DSP2_ADRS_A7
DSP2_ADRS_A6
DSP2_ADRS_A5
DSP2_ADRS_A4
GNDD
FLASH2
IC1453
V+3R3D
C1517 NM
R1572 NM
DSP2_ADRS_A16
A15
A14
A13
A12
A11
A10
A9
A8
NC1
NC2
WE#
RESET#
NC3
NC4
RY/BY#
NC5
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE#
GND2
Q15/A-1
Q7
Q14
Q6
Q13
Q5
Q12
Q4
VCC
Q11
Q3
Q10
Q2
Q9
Q1
Q8
Q0
OE#
GND1
CE#
A0
DSP2_RESET
1F;4:8K
R1515 NM
C1507 NM
I 4/6
DSP2_ADRS_A18
DSP2_ADRS_A17
R1589 NM
DSP2_OE_BUS
R1593 NM
DSP2_RE_BUS
DSP2_CS_FLASH2
DSP2_ADRS_A0
STBY
32
STBY
R1512 NM
R1513 NM
C1495 0.1u
C1496 0.1u
C1497 0.1u
C1498 0.1u
C1499 0.1u
C1500 0.1u
C1501 0.1u
C1502 0.1u
C1503 0.1u
C1504 0.1u
C1505 0.1u
C1506 0.1u
R1514 NM
DSP2_ADRS_A18
DSP2_ADRS_A17
DSP2_ADRS_A15
DSP2_ADRS_A16
DSP2_ADRS_A14
DSP2_ADRS_A11
DSP2_ADRS_A12
DSP2_WE_BUS
DSP2_CLK_BUS
DSP2_CS_SDRAM2
DSP2_CS_FLASH2
GNDD

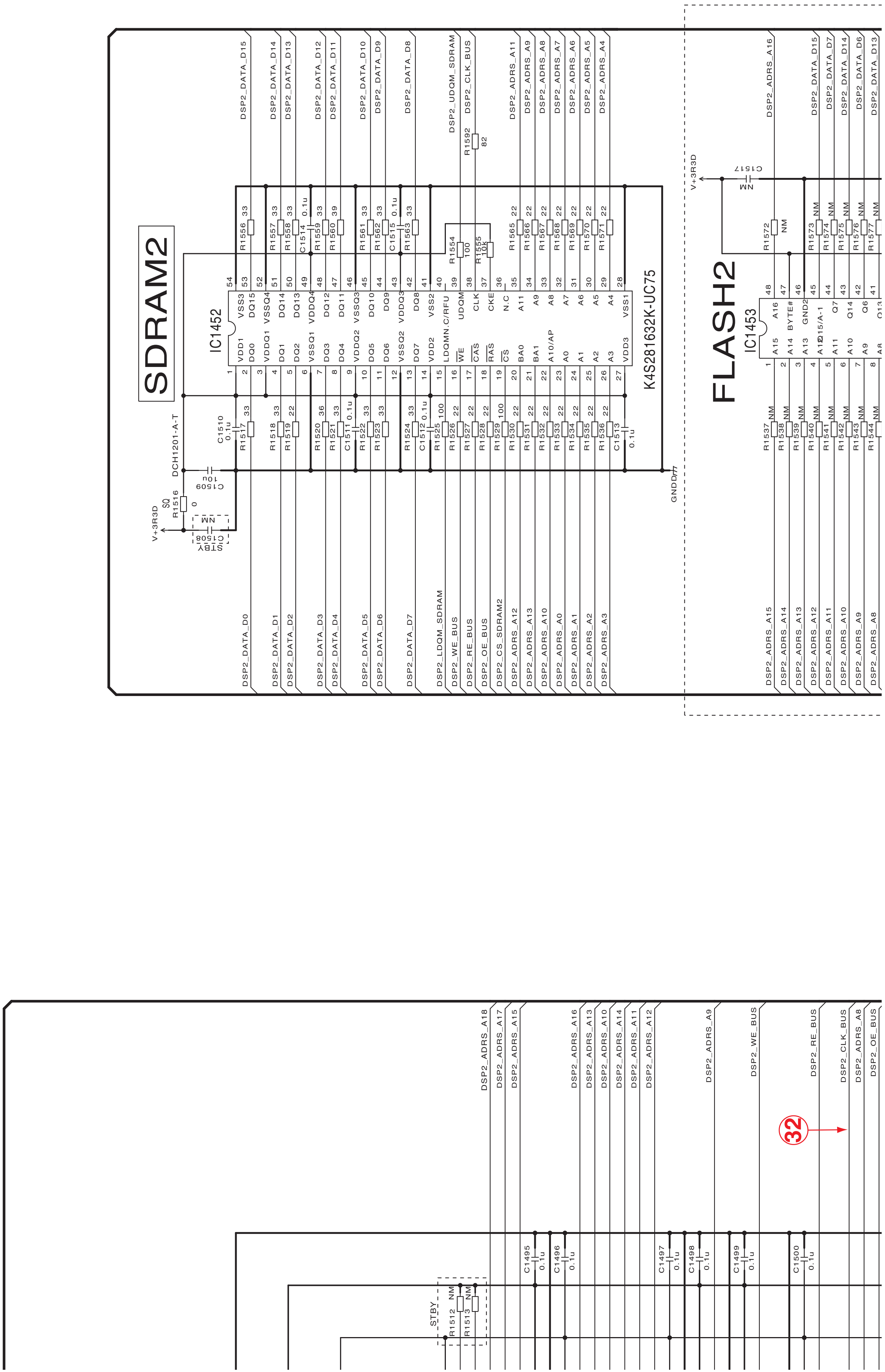
Audio Signal Route

- ➡ : Audio Data Signal
- (D) ➡ : Digital Audio Data Signal

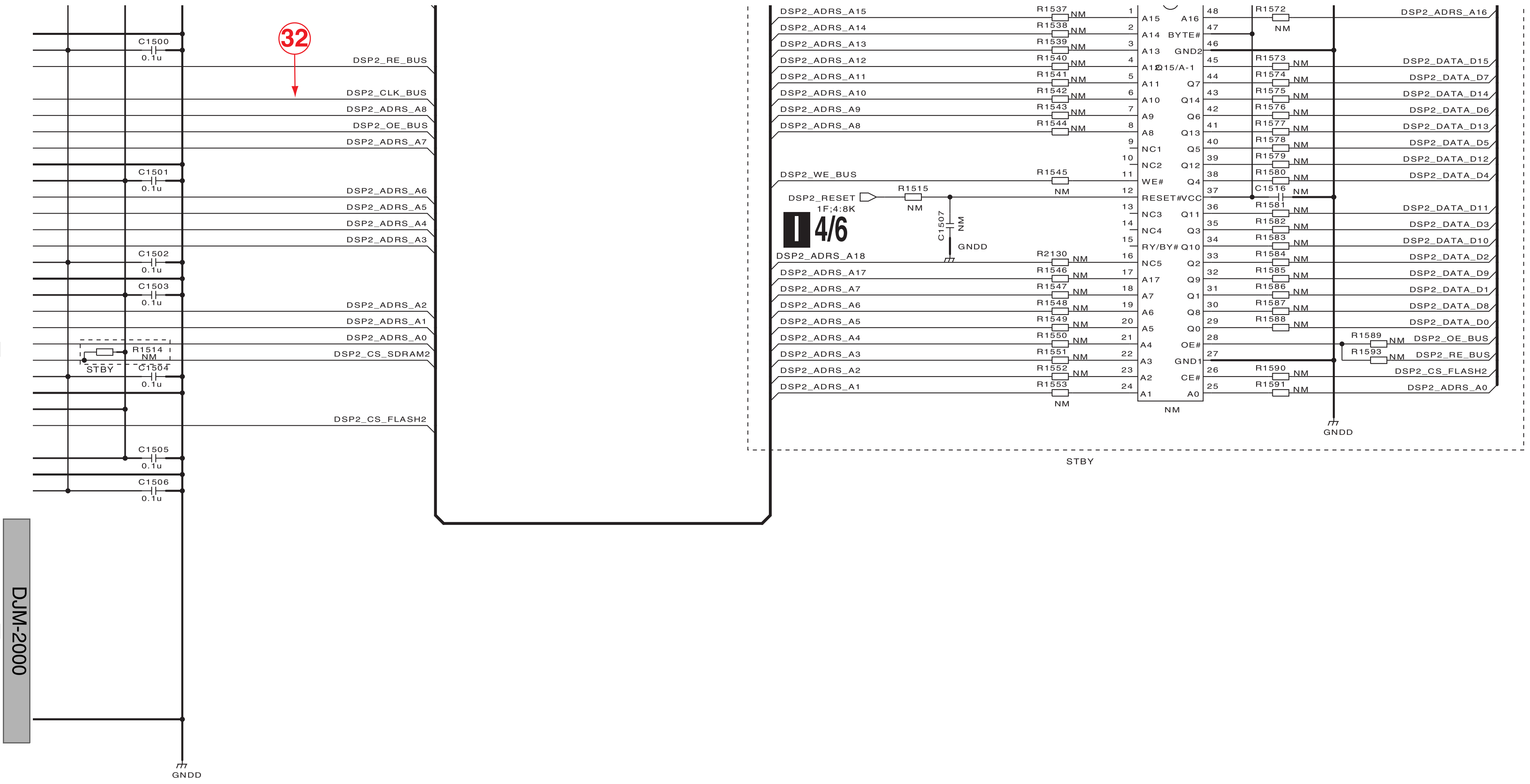
MAIN DSP2

I 3/6 MAIN ASSY (DWX2920)

A-a A-b


SDRAM2
IC1452
K4S281632K-UC75
FLASH2
IC1453
DCH1201-A-T
V+3R3D
GNDD
STBY
R1516 0
C1508 NM
C1509 10u
C1510 0.1u
R1592 82
C1517 NM
DSP2_DATA_D0
DSP2_DATA_D1
DSP2_DATA_D2
DSP2_DATA_D3
DSP2_DATA_D4
DSP2_DATA_D5
DSP2_DATA_D6
DSP2_DATA_D7
DSP2_DATA_D8
DSP2_DATA_D9
DSP2_DATA_D10
DSP2_DATA_D11
DSP2_DATA_D12
DSP2_DATA_D13
DSP2_DATA_D14
DSP2_DATA_D15
DSP2_LDQM_SDRAM
DSP2_UDQM_SDRAM
DSP2_WE_BUS
DSP2_RE_BUS
DSP2_OE_BUS
DSP2_CS_SDRAM2
DSP2_CLK_BUS
DSP2_ADRS_A0
DSP2_ADRS_A1
DSP2_ADRS_A2
DSP2_ADRS_A3
DSP2_ADRS_A4
DSP2_ADRS_A5
DSP2_ADRS_A6
DSP2_ADRS_A7
DSP2_ADRS_A8
DSP2_ADRS_A9
DSP2_ADRS_A10
DSP2_ADRS_A11
DSP2_ADRS_A12
DSP2_ADRS_A13
DSP2_ADRS_A14
DSP2_ADRS_A15
DSP2_ADRS_A16
DSP2_ADRS_A17
DSP2_ADRS_A18
C1495 0.1u
C1496 0.1u
C1497 0.1u
C1498 0.1u
C1499 0.1u
C1500 0.1u
R1512 NM
R1513 NM
32

MAIN DSP2



32
DSP2_RE_BUS
DSP2_CLK_BUS
DSP2_ADRS_A8
DSP2_OE_BUS
DSP2_ADRS_A7
DSP2_ADRS_A6
DSP2_ADRS_A5
DSP2_ADRS_A4
DSP2_ADRS_A3
DSP2_ADRS_A2
DSP2_ADRS_A1
DSP2_ADRS_A0
DSP2_CS_SDRAM2
DSP2_CS_FLASH2
C1500 0.1u
C1501 0.1u
C1502 0.1u
C1503 0.1u
R1514 NM
C1504 0.1u
STBY
C1505 0.1u
C1506 0.1u
GNDD
DSP2_ADRS_A15
DSP2_ADRS_A14
DSP2_ADRS_A13
DSP2_ADRS_A12
DSP2_ADRS_A11
DSP2_ADRS_A10
DSP2_ADRS_A9
DSP2_ADRS_A8
DSP2_WE_BUS
DSP2_RESET
1F;4:8K
I 4/6
DSP2_ADRS_A18
DSP2_ADRS_A17
DSP2_ADRS_A7
DSP2_ADRS_A6
DSP2_ADRS_A5
DSP2_ADRS_A4
DSP2_ADRS_A3
DSP2_ADRS_A2
DSP2_ADRS_A1
R1515 NM
C1507 NM
GNDD
R1537 NM
R1538 NM
R1539 NM
R1540 NM
R1541 NM
R1542 NM
R1543 NM
R1544 NM
R1545 NM
R2130 NM
R1546 NM
R1547 NM
R1548 NM
R1549 NM
R1550 NM
R1551 NM
R1552 NM
R1553 NM
1 A15 A16 48
2 A14 BYTE# 47
3 A13 GND2 46
4 A12 D15/A-1 45
5 A11 Q7 44
6 A10 Q14 43
7 A9 Q6 42
8 A8 Q13 41
9 NC1 Q5 40
10 NC2 Q12 39
11 WE# Q4 38
12 RESET# VCC 37
13 NC3 Q11 36
14 NC4 Q3 35
15 RY/BY# Q10 34
16 NC5 Q2 33
17 A17 Q9 32
18 A7 Q1 31
19 A6 Q8 30
20 A5 Q0 29
21 A4 OE# 28
22 A3 GND1 27
23 A2 CE# 26
24 A1 A0 25
NM
R1572 NM
R1573 NM
R1574 NM
R1575 NM
R1576 NM
R1577 NM
R1578 NM
R1579 NM
R1580 NM
C1516 NM
R1581 NM
R1582 NM
R1583 NM
R1584 NM
R1585 NM
R1586 NM
R1587 NM
R1588 NM
R1589 NM
R1593 NM
R1590 NM
R1591 NM
GNDD
DSP2_ADRS_A16
DSP2_DATA_D15
DSP2_DATA_D7
DSP2_DATA_D14
DSP2_DATA_D6
DSP2_DATA_D13
DSP2_DATA_D5
DSP2_DATA_D12
DSP2_DATA_D4
DSP2_DATA_D11
DSP2_DATA_D3
DSP2_DATA_D10
DSP2_DATA_D2
DSP2_DATA_D9
DSP2_DATA_D1
DSP2_DATA_D8
DSP2_DATA_D0
DSP2_OE_BUS
DSP2_RE_BUS
DSP2_CS_FLASH2
DSP2_ADRS_A0
STBY

Audio Signal Route

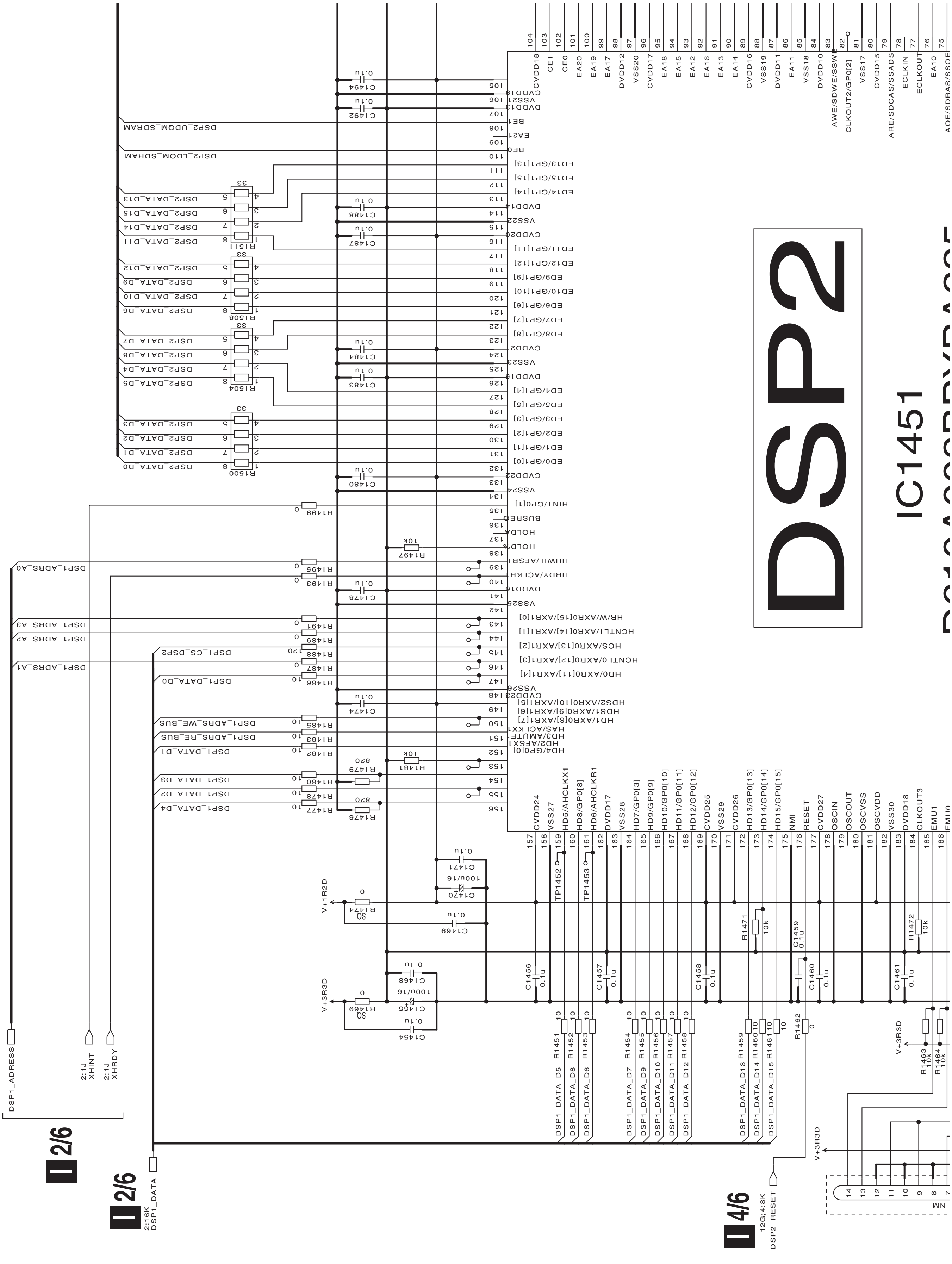
➡ : Audio Data Signal

(D) ➡ : Digital Audio Data Signal

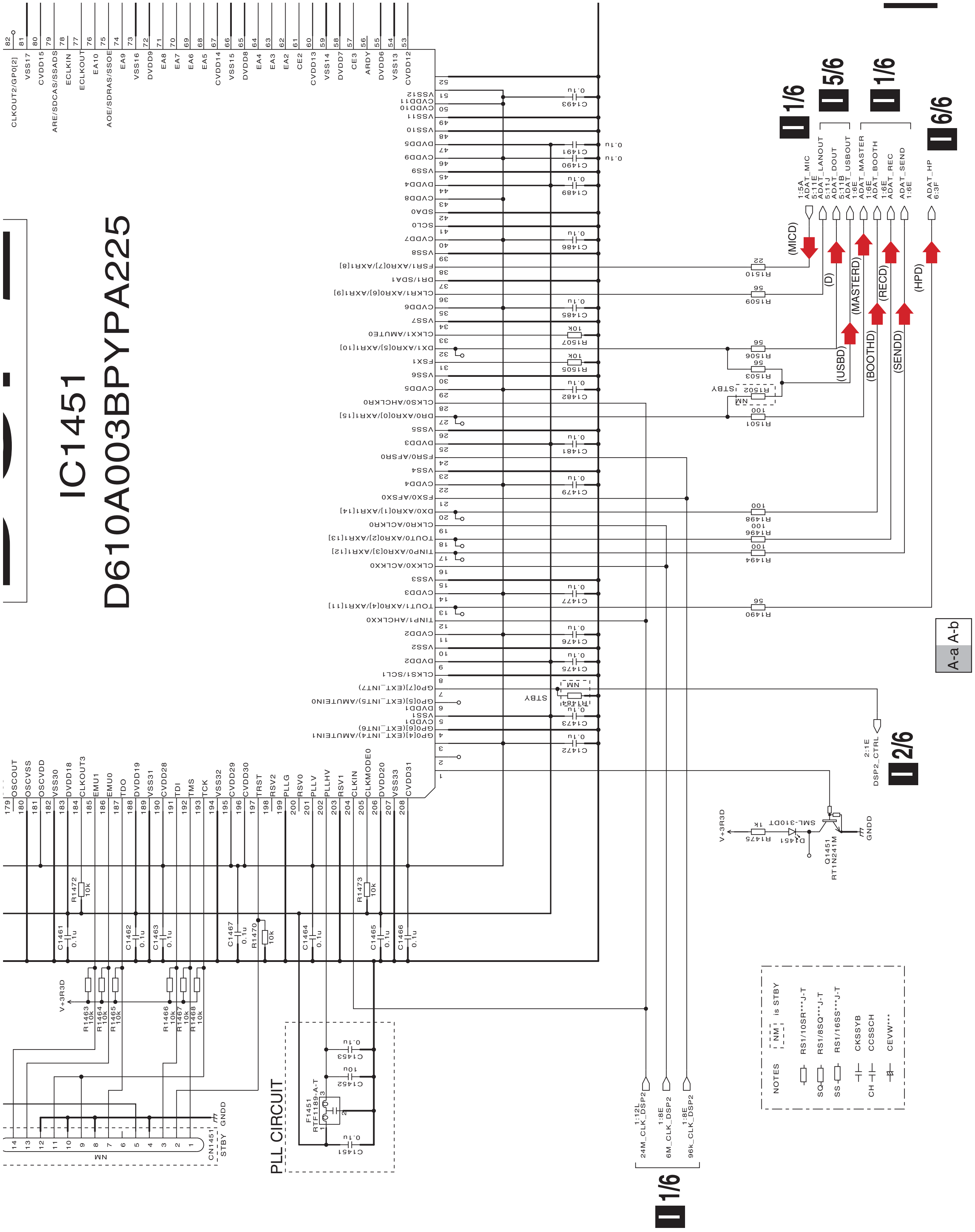
A-a A-b

I 3/6 MAIN ASSY (DWX2920)

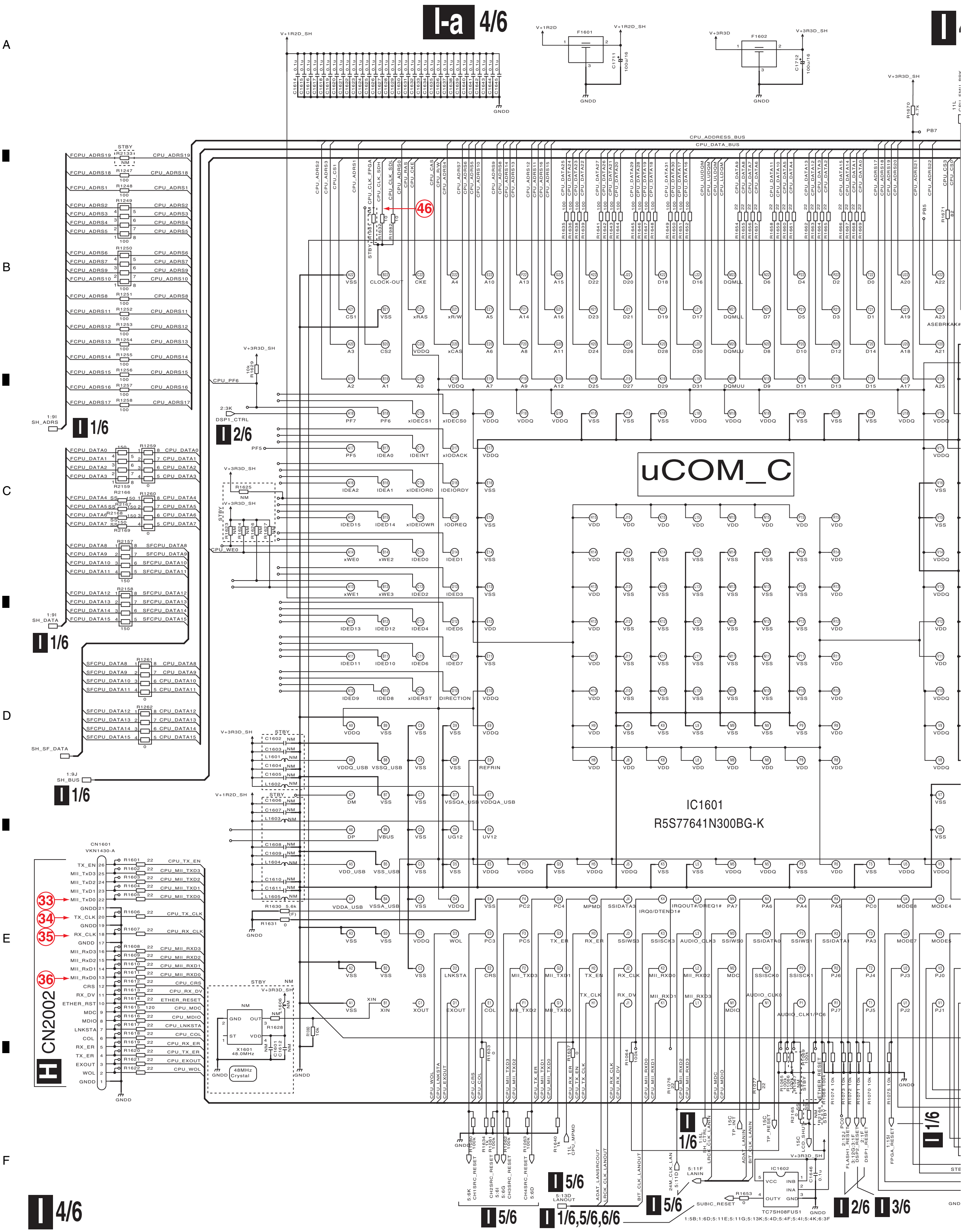
A-a A-b



DSP2
IC1451
CVDD18
CE1
CE0
EA20
EA19
EA17
DVDD12
VSS20
CVDD17
EA18
EA15
EA12
EA16
EA13
EA14
CVDD16
VSS19
DVDD11
EA11
VSS18
DVDD10
AWE/SDWE/SSWE
CLKOUT2/GP0[2]
VSS17
CVDD15
ARE/SDCAS/SSADS
ECLKIN
ECLKOUT
EA10
CVDD19
VSS21
DVDD13
BE1
EA21
BE0
ED13/GP1[13]
ED15/GP1[15]
ED14/GP1[14]
DVDD14
VSS22
CVDD20
ED11/GP1[11]
ED12/GP1[12]
ED9/GP1[9]
ED10/GP1[10]
ED6/GP1[6]
ED7/GP1[7]
ED8/GP1[8]
CVDD2
VSS23
DVDD15
ED4/GP1[4]
ED5/GP1[5]
ED3/GP1[3]
ED2/GP1[2]
ED1/GP1[1]
ED0/GP1[0]
CVDD22
VSS24
HINT/GP0[1]
BUSREQ
HOLDA
HOLD
HHWIL/AFSR1
HRDY/ACLKR1
DVDD16
VSS25
HR/W/AXR0[15]/AXR1[0]
HCNTL1/AXR0[14]/AXR1[1]
HCS/AXR0[13]/AXR1[2]
HCNTL0/AXR0[12]/AXR1[3]
HD0/AXR0[11]/AXR1[4]
VSS26
CVDD23
HDS2/AXR0[10]/AXR1[5]
HDS1/AXR0[9]/AXR1[6]
HD1/AXR0[8]/AXR1[7]
HAS/ACLKX1
HD3/AMUTE1
HD2/AFSX1
HD4/GP0[0]
CVDD24
VSS27
HD5/AHCLKX1
HD8/GP0[8]
HD6/AHCLKR1
DVDD17
VSS28
HD7/GP0[3]
HD9/GP0[9]
HD10/GP0[10]
HD11/GP0[11]
HD12/GP0[12]
CVDD25
VSS29
CVDD26
HD13/GP0[13]
HD14/GP0[14]
HD15/GP0[15]
NMI
RESET
CVDD27
OSCIN
OSCOUT
OSCVSS
OSCVDD
VSS30
DVDD18
CLKOUT3
EMU1
DSP2_UDQM_SDRAM
DSP2_LDQM_SDRAM
DSP2_DATA_D13
DSP2_DATA_D15
DSP2_DATA_D14
DSP2_DATA_D11
DSP2_DATA_D12
DSP2_DATA_D9
DSP2_DATA_D10
DSP2_DATA_D6
DSP2_DATA_D7
DSP2_DATA_D8
DSP2_DATA_D4
DSP2_DATA_D5
DSP2_DATA_D3
DSP2_DATA_D2
DSP2_DATA_D1
DSP2_DATA_D0
R1511
R1508
R1504
R1500
33
C1494
C1492
C1488
C1487
C1484
C1483
C1480
C1478
C1474
0.1u
R1499
R1497
10K
R1495
R1493
R1491
R1489
R1488
R1487
R1486
R1485
R1483
R1482
R1481
R1480
R1479
R1478
R1477
R1476
820
DSP1_ADRS_A0
DSP1_ADRS_A3
DSP1_ADRS_A2
DSP1_CS_DSP2
DSP1_ADRS_A1
DSP1_DATA_D0
DSP1_ADRS_WE_BUS
DSP1_ADRS_RE_BUS
DSP1_DATA_D1
DSP1_DATA_D3
DSP1_DATA_D2
DSP1_DATA_D4
C1471
C1470
100u/16
C1469
C1468
C1465
C1454
R1474
R1469
SO
V+1R2D
V+3R3D
TP1452
TP1453
C1456
C1457
C1458
C1459
C1460
C1461
R1471
R1472
10k
R1451
R1452
R1453
R1454
R1455
R1456
R1457
R1458
R1459
R1460
R1461
R1462
R1463
R1464
DSP1_DATA_D5
DSP1_DATA_D8
DSP1_DATA_D6
DSP1_DATA_D7
DSP1_DATA_D9
DSP1_DATA_D10
DSP1_DATA_D11
DSP1_DATA_D12
DSP1_DATA_D13
DSP1_DATA_D14
DSP1_DATA_D15
2:16K
DSP1_ADRESS
2:1J
XHINT
2:1J
XHRDY
I 2/6
I 2/6
2:16K
DSP1_DATA
I 4/6
12G;4:8K
DSP2_RESET
NM


IC1451
D610A003BPYPA225
PLL CIRCUIT
F1451
RTF1189-A-T
CN1451
STBY
GNDD
NM
V+3R3D
Q1451
RT1N241M
D1451
SML-310DT
R1475 1k
DSP2_CTRL
2:1E
2/6
24M_CLK_DSP2
1:12L
6M_CLK_DSP2
1:8E
96k_CLK_DSP2
1:8E
1/6
ADAT_MIC
1:5A
ADAT_LANOUT
5:11E
ADAT_DOUT
5:11J
ADAT_USBOUT
5:11B
ADAT_MASTER
1:6E
ADAT_BOOTH
1:6E
ADAT_REC
1:6E
ADAT_SEND
1:6E
ADAT_HP
6:3F
1/6
5/6
1/6
6/6
(MICD)
(D)
(USBD)
(MASTERD)
(BOOTHD)
(RECD)
(SENDD)
(HPD)
A-a A-b
NOTES
NM is STBY
RS1/10SR***J-T
RS1/8SQ***J-T
RS1/16SS***J-T
CKSSYB
CCSSCH
CEVW***
SQ
SS
CH
C1451 0.1u
C1452 10u
C1453 0.1u
C1461 0.1u
C1462 0.1u
C1463 0.1u
C1464 0.1u
C1465 0.1u
C1466 0.1u
C1467 0.1u
C1472 0.1u
C1473 0.1u
C1475 0.1u
C1476 0.1u
C1477 0.1u
C1479 0.1u
C1481 0.1u
C1482 0.1u
C1485 0.1u
C1486 0.1u
C1489 0.1u
C1490 0.1u
C1491 0.1u
C1493 0.1u
R1463 10k
R1464 10k
R1465 10k
R1466 10k
R1467 10k
R1468 10k
R1470 10k
R1472 10k
R1473 10k
R1484 NM
R1490 56
R1494 100
R1496 100
R1498 100
R1501 100
R1502 NM STBY
R1503 56
R1505 10K
R1506 56
R1507 10K
R1509 56
R1510 22

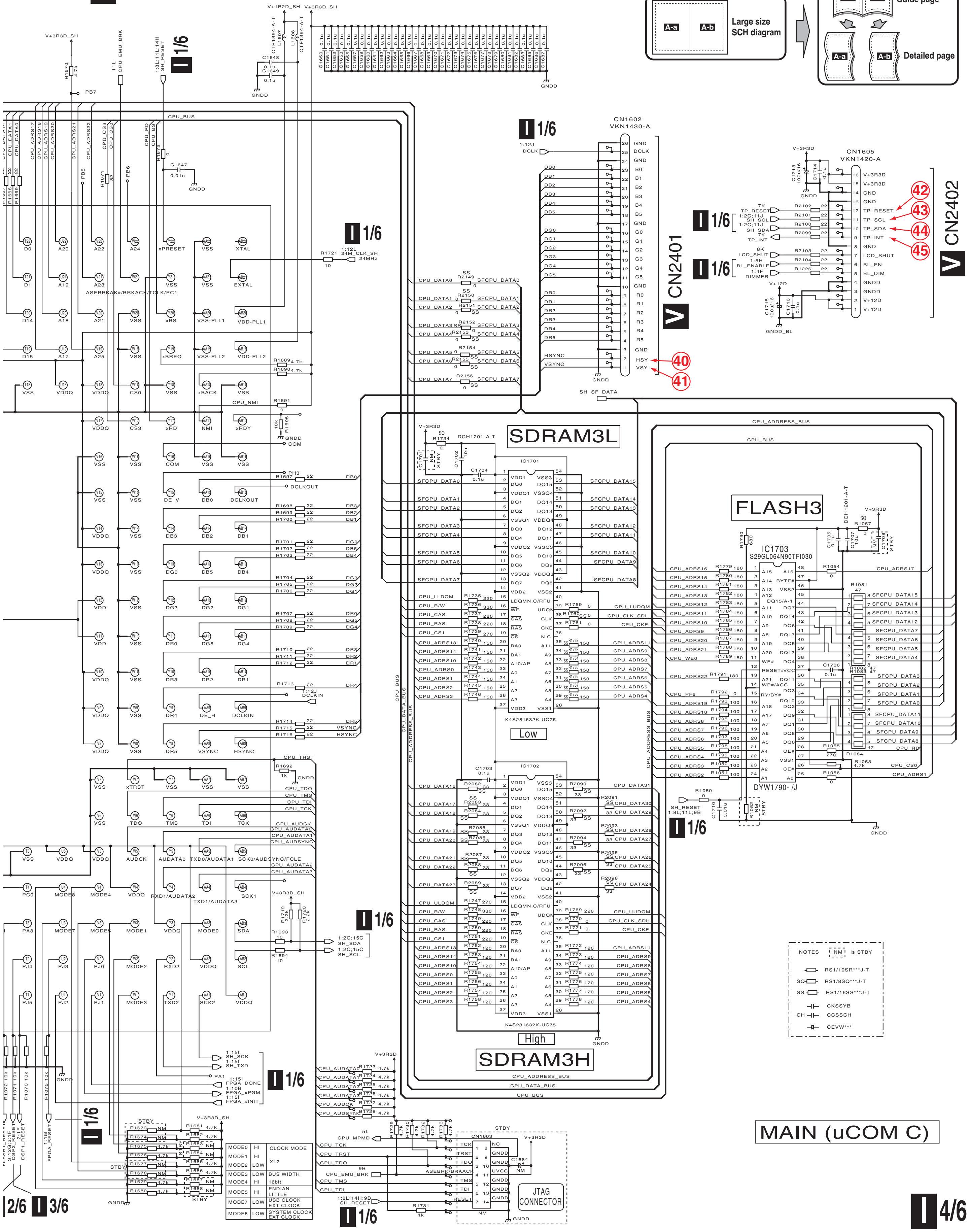
10.13 MAIN ASSY (4/6)



I-a 4/6
A
B
C
D
E
F
V+1R2D_SH
V+1R2D
F1601
V+1R2D_SH
C1711
100u/16
GNDD
V+3R3D
F1602
V+3R3D_SH
C1712
100u/16
GNDD
V+3R3D_SH
R1670
4.7k
PB7
CPU_ADDRESS_BUS
CPU_DATA_BUS
46
uCOM_C
IC1601
R5S77641N300BG-K
SH_ADRS
1:9I
I 1/6
CPU_PF6
2:3K
DSP1_CTRL
I 2/6
PF5
V+3R3D_SH
R1625
NM
STBY
CPU_WE0
SH_DATA
1:9I
I 1/6
SH_SF_DATA
SH_BUS
1:9J
I 1/6
CN1601
VKN1430-A
H CN2002
33
34
35
36
TX_EN
MII_TxD3
MII_TxD2
MII_TxD1
MII_TxD0
GNDD
TX_CLK
GNDD
RX_CLK
GNDD
MII_RxD3
MII_RxD2
MII_RxD1
MII_RxD0
CRS
RX_DV
ETHER_RST
MDC
MDIO
LNKSTA
COL
RX_ER
TX_ER
EXOUT
WOL
GNDD
X1601
48.0MHz
48MHz Crystal
XIN
XOUT
IC1602
TC7SH08FUS1
SUBIC_RESET
I 1/6
I 5/6
I 5/6
I 1/6,5/6,6/6
I 5/6
I 2/6
I 3/6
I 1/6
I 4/6

I 4/6 MAIN ASSY (DWX2920)

I-b 4/6


Large size SCH diagram
A-a
A-b
Guide page
Detailed page
CPU_BUS
CPU_DATA_BUS
CPU_ADDRESS_BUS
V+3R3D_SH
V+1R2D_SH
GNDD
I 1/6
CN1602
VKN1430-A
V CN2401
CN1605
VKN1420-A
V CN2402
TP_RESET
TP_SCL
TP_SDA
TP_INT
LCD_SHUT
BL_ENABLE
DIMMER
HSYNC
VSYNC
DCLK
SH_SF_DATA
40
41
42
43
44
45
SDRAM3L
IC1701
K4S281632K-UC75
Low
IC1702
K4S281632K-UC75
High
SDRAM3H
FLASH3
IC1703
S29GL064N90TFI030
DYW1790- /J
SH_RESET
1:12L
24M_CLK_SH
24MHz
SH_SDA
SH_SCL
SH_SCK
SH_TXD
FPGA_DONE
FPGA_xPGM
FPGA_xINIT
CN1603
JTAG CONNECTOR
CPU_MPMD
CPU_EMU_BRK
STBY
NM
I 2/6
I 3/6

MODE0	HI	CLOCK MODE X12
MODE1	HI	
MODE2	LOW	
MODE3	LOW	BUS WIDTH 16bit
MODE4	HI	
MODE5	HI	ENDIAN LITTLE
MODE7	LOW	USB CLOCK EXT CLOCK
MODE8	LOW	SYSTEM CLOCK EXT CLOCK

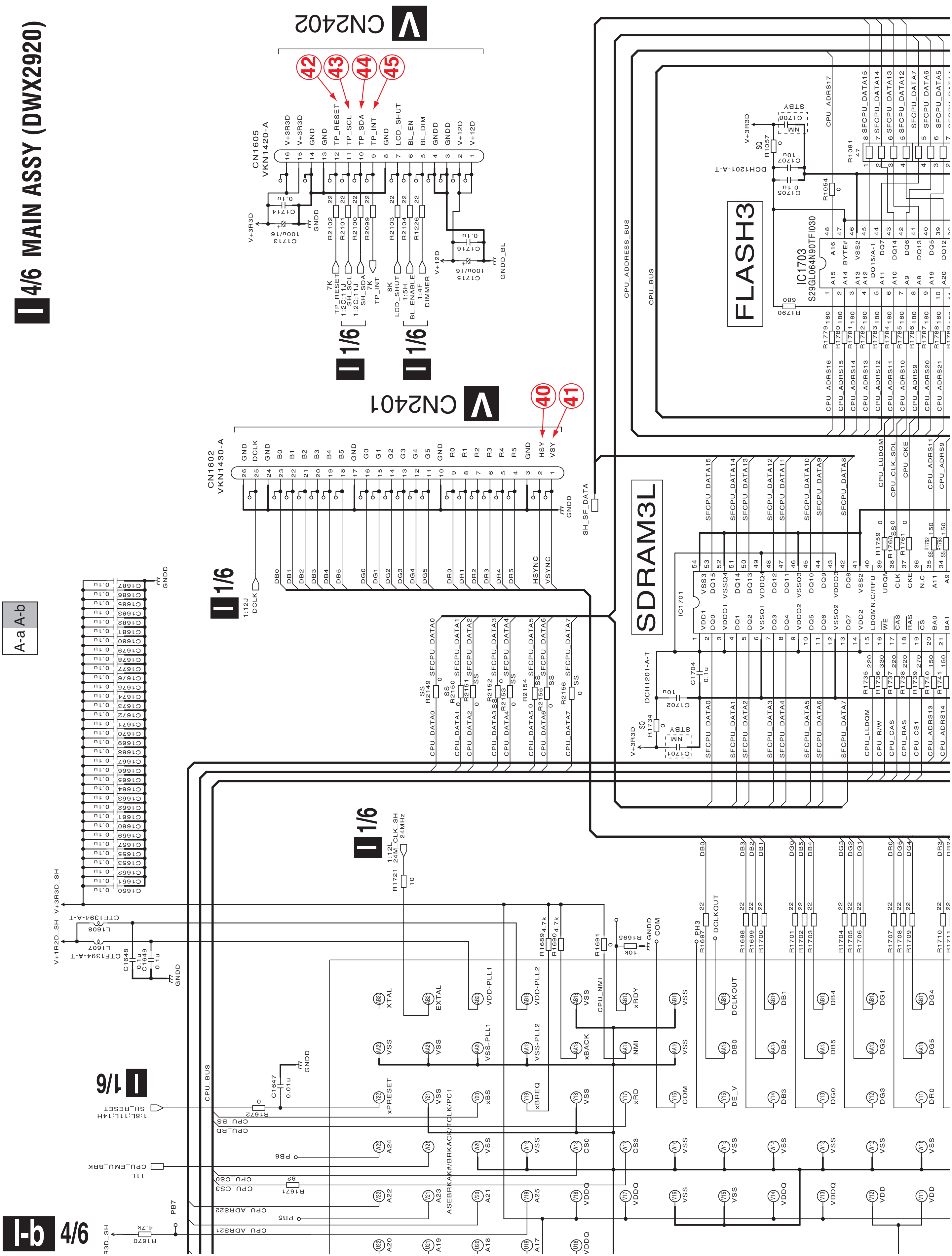
NOTES NM is STBY

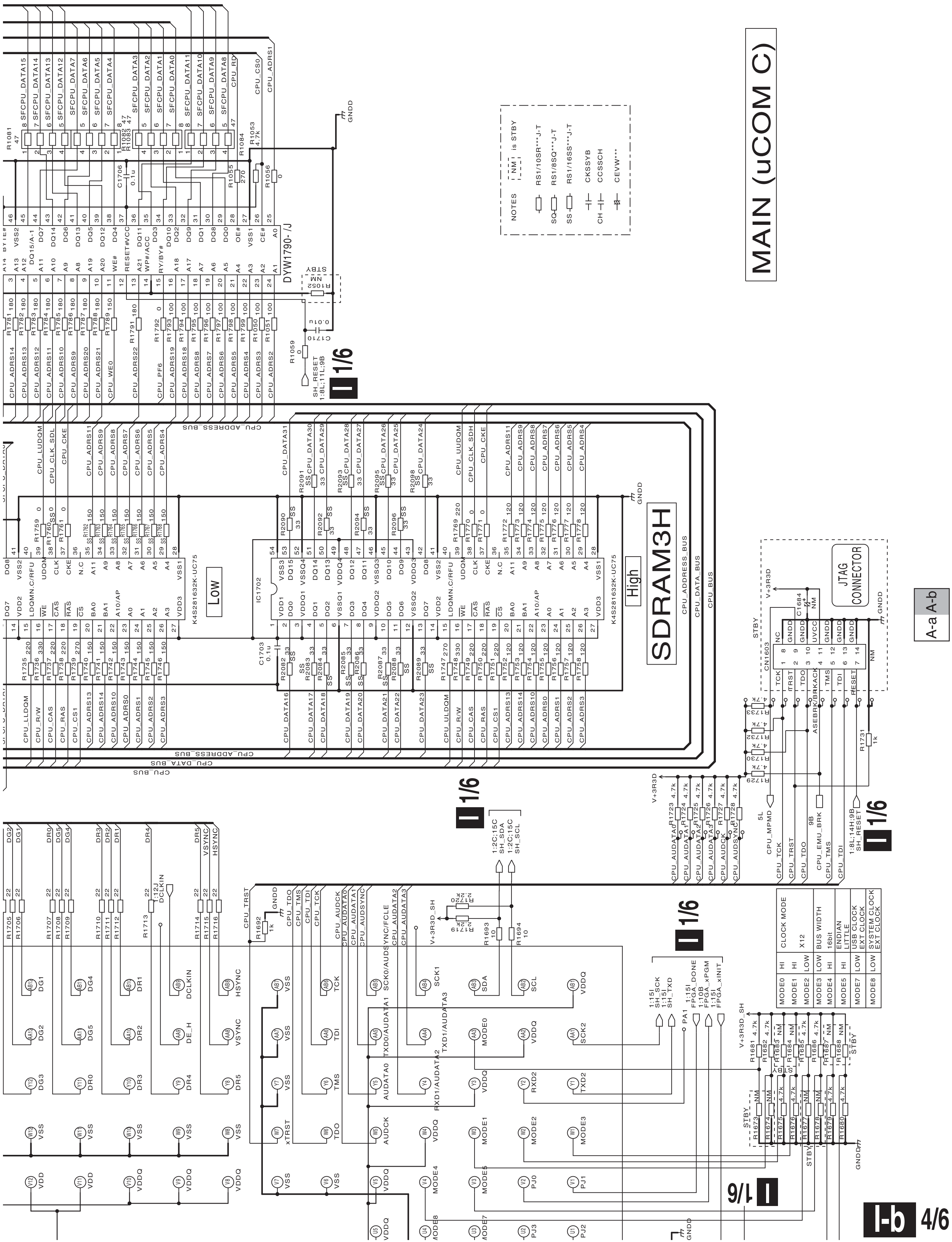
	RS1/10SR***J-T
SQ	RS1/8SQ***J-T
SS	RS1/16SS***J-T
	CKSSYB
CH	CCSSCH
	CEVW***

MAIN (uCOM C)

I 4/6

I 4/6 MAIN ASSY (DWX2920)


CN2402
42
43
44
45
CN1605
VKN1420-A
V+3R3D
GND
TP_RESET
TP_SCL
TP_SDA
TP_INT
LCD_SHUT
BL_EN
BL_DIM
GNDD
V+12D
C1713 100u/16
C1714 0.1u
C1715 100u/16
C1716 0.1u
GNDD_BL
R2102
R2101
R2100
R2099
R2103
R2104
R1226
7K TP_RESET 1:2C;11J
SH_SCL 1:2C;11J
SH_SDA 7K TP_INT
8K LCD_SHUT 1:5H
BL_ENABLE 1:4F
DIMMER
I 1/6
CN2401
40
41
CN1602
VKN1430-A
GND
DCLK
B0
B1
B2
B3
B4
B5
G0
G1
G2
G3
G4
G5
R0
R1
R2
R3
R4
R5
HSY
VSY
DB0
DB1
DB2
DB3
DB4
DB5
DG0
DG1
DG2
DG3
DG4
DG5
DR0
DR1
DR2
DR3
DR4
DR5
HSYNC
VSYNC
1:12J DCLK
SH_SF_DATA
FLASH3
IC1703
S29GL064N90TFI030
DCH1201-A-T
R1057
C1707 10u
C1708 NM STBY
C1705 0.1u
R1054
R1081 47
R1790 680
CPU_ADDRESS_BUS
CPU_BUS
CPU_ADRS17
SFCPU_DATA15
SFCPU_DATA14
SFCPU_DATA13
SFCPU_DATA12
SFCPU_DATA7
SFCPU_DATA6
SFCPU_DATA5
CPU_ADRS16
CPU_ADRS15
CPU_ADRS14
CPU_ADRS13
CPU_ADRS12
CPU_ADRS11
CPU_ADRS10
CPU_ADRS9
CPU_ADRS20
CPU_ADRS21
SDRAM3L
IC1701
C1701 NM STBY
C1702 10u
C1704 0.1u
R1734
CPU_LUDQM
CPU_CLK_SDL
CPU_CKE
CPU_ADRS11
CPU_ADRS9
CPU_LLDQM
CPU_R/W
CPU_CAS
CPU_RAS
CPU_CS1
CPU_ADRS13
CPU_ADRS14
SFCPU_DATA0
SFCPU_DATA1
SFCPU_DATA2
SFCPU_DATA3
SFCPU_DATA4
SFCPU_DATA5
SFCPU_DATA6
SFCPU_DATA7
CPU_DATA0
CPU_DATA1
CPU_DATA2
CPU_DATA3
CPU_DATA4
CPU_DATA5
CPU_DATA6
CPU_DATA7
R2149
R2150
R2151
R2152
R2153
R2154
R2155
R2156
A-a A-b
C1650–C1687 0.1u
GNDD
V+3R3D_SH
V+1R2D_SH
L1608 CTF1394-A-T
L1607 CTF1394-A-T
C1648 0.1u
C1649 0.1u
I 1/6
R1721 10
1:12L 24M_CLK_SH 24MHz
XTAL
EXTAL
VDD-PLL1
VDD-PLL2
VSS-PLL1
VSS-PLL2
R1689 4.7k
R1690 4.7k
R1691
R1695 10K
CPU_NMI
xRDY
xBACK
NMI
VSS
COM
DCLKOUT
PH3
R1697
DE_V
xPRESET
xBS
xBREQ
xRD
A24
CS0
CS3
A22
A23
A21
A25
VDDQ
VDD
A20
A19
A18
A17
C1647 0.01u
R1672
I 1/6
1:8L;11L;14H SH_RESET
CPU_BUS
CPU_BS
CPU_RD
PB6
CPU_EMU_BRK 11L
CPU_CS0
CPU_CS3
R1671 82
CPU_ADRS22
PB5
ASEBRKAK#/BRKACK/TCLK/PC1
CPU_ADRS21
PB7
R1670 4.7K
R3D_SH


MAIN (uCOM C)
SDRAM3H
IC1702
K4S281632K-UC75
Low
High
DYW1790-J
CN1603
JTAG CONNECTOR
A-a A-b
CPU_ADDRESS_BUS
CPU_DATA_BUS
CPU_BUS
V+3R3D
V+3R3D_SH
GNDD
STBY
SH_RESET
1:8L;11L;9B
1:8L;14H;9B
CPU_MPMD
CPU_EMU_BRK
CPU_TCK
CPU_TRST
CPU_TDO
CPU_TMS
CPU_TDI
1:2C;15C SH_SDA
1:2C;15C SH_SCL
1:15I SH_SCK
1:15I SH_TXD
1:15I FPGA_DONE
1:10B FPGA_xPGM
1:15I FPGA_xINIT
PA1
DCLKIN
I 1/6
I-b 4/6

NOTES

NM is STBY

RS1/10SR***J-T

SQ RS1/8SQ***J-T

SS RS1/16SS***J-T

CKSSYB

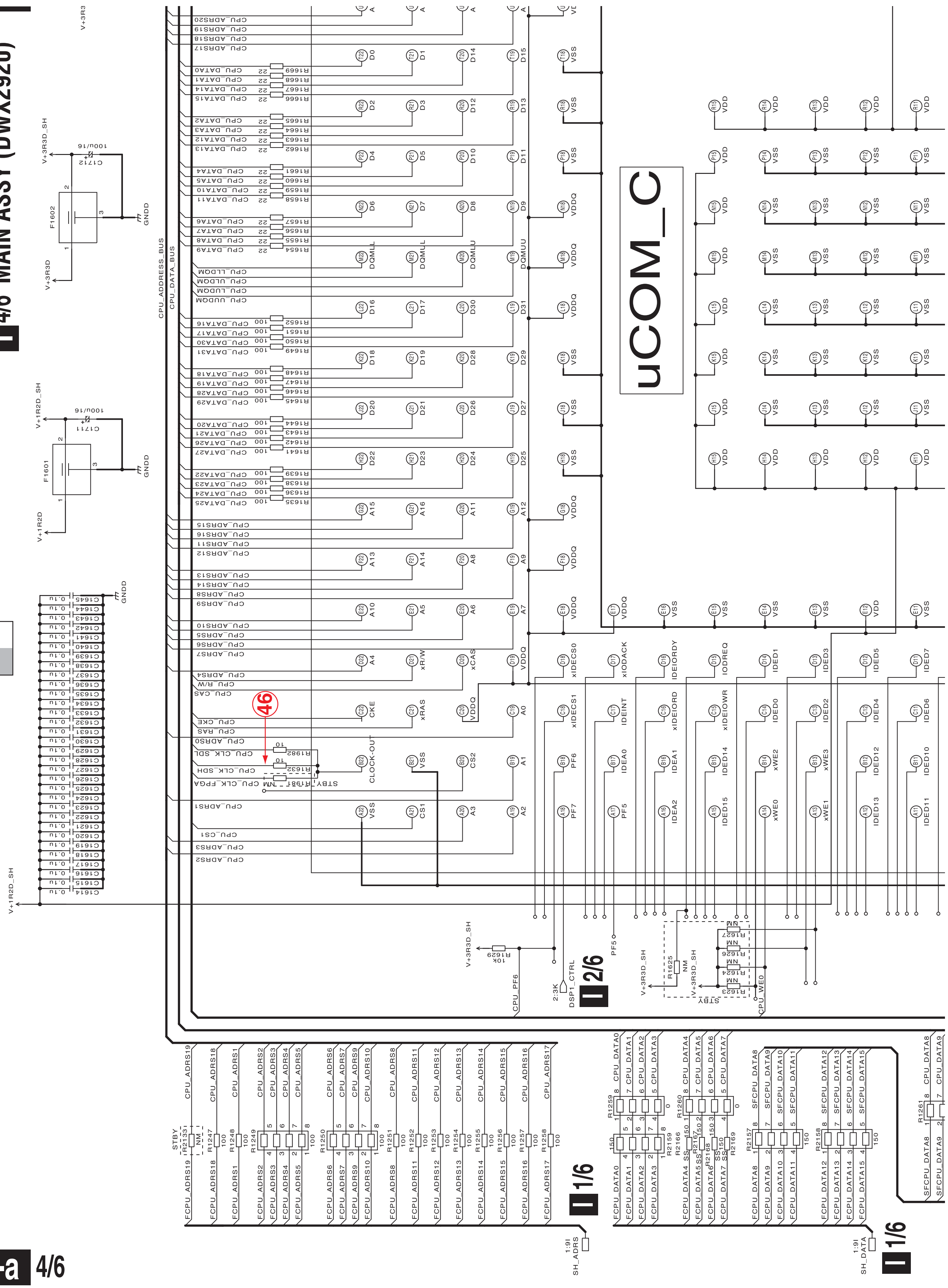
CH CCSSCH

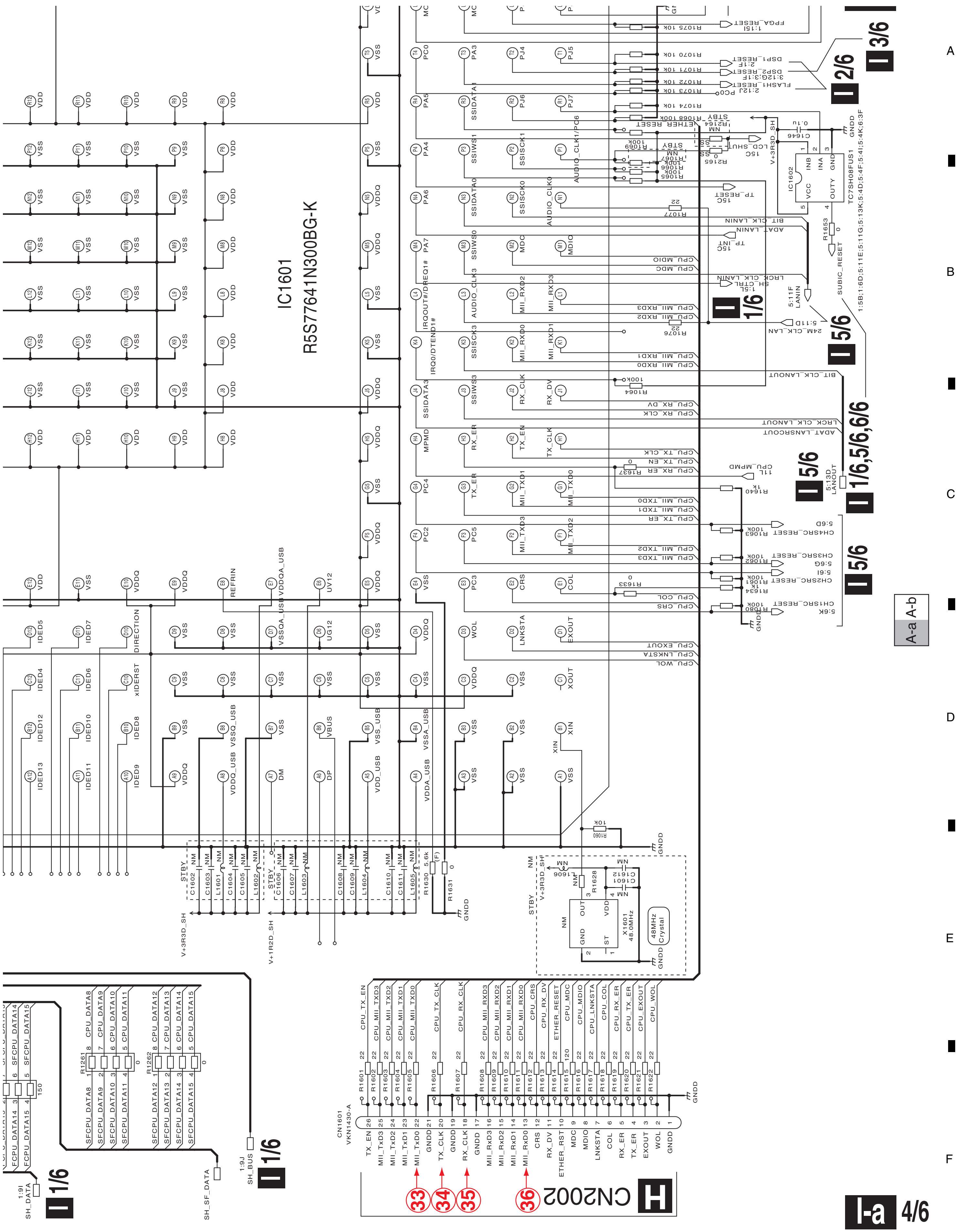
CEVW***

MODE0	HI	CLOCK MODE
MODE1	HI	X12
MODE2	LOW	
MODE3	LOW	BUS WIDTH
MODE4	HI	16bit
MODE5	HI	ENDIAN LITTLE
MODE7	LOW	USB CLOCK EXT CLOCK
MODE8	LOW	SYSTEM CLOCK EXT CLOCK

I 4/6 MAIN ASSY (DWX2920)

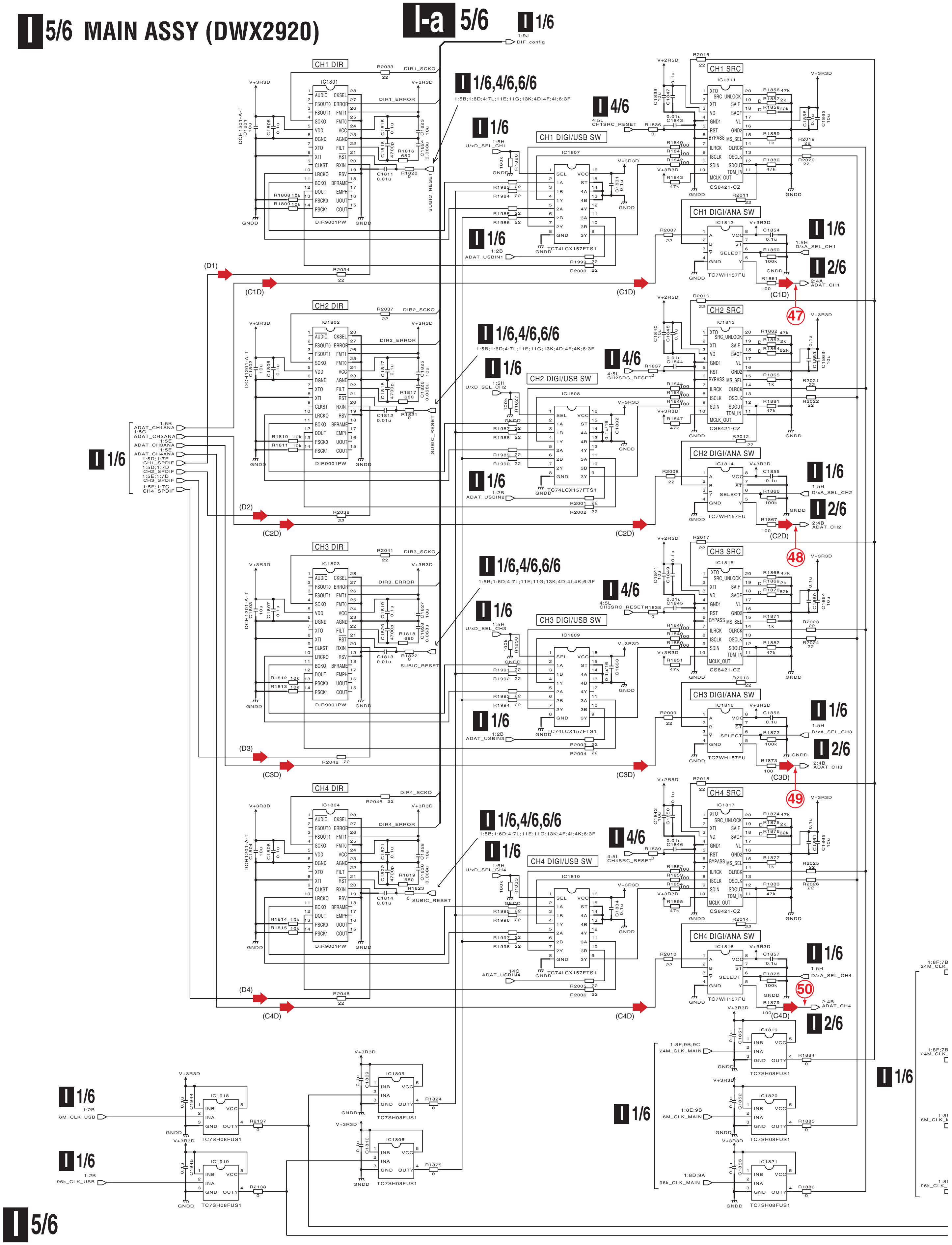
A-a A-b


uCOM_C
F1602
F1601
C1712
C1711
100u/16
V+3R3
V+3R3D_SH
V+3R3D
V+1R2D_SH
V+1R2D
GNDD
CPU_ADDRESS_BUS
CPU_DATA_BUS
CLOCK-OUT
CPU_CLK_SDL
CPU_CLK_SDH
CPU_CLK_FPGA
STBY
46
CPU_PF6
R1629
10K
DSP1_CTRL
2:3K
PF5
2/6
1/6
1:91
SH_ADRS
SH_DATA
CPU_WE0

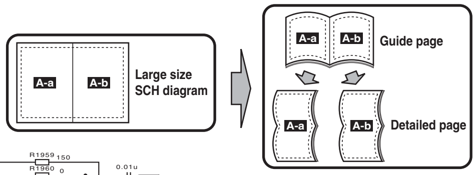

IC1601
R5S7641N300BG-K
IC1602
TC7SH08FUS1
X1601
48.0MHz
48MHz Crystal
CN1601
VKN1430-A
H CN2002
33
34
35
36
I 1/6
I 2/6
I 3/6
I 5/6
I 1/6,5/6,6/6
A-a A-b
FPGA_RESET
DSP1_RESET
DSP2_RESET
FLASH1_RESET
ETHER_RESET
LCD_SHUT
TP_RESET
BIT_CLK_LANIN
ADAT_LANIN
TP_INT
LRCK_CLK_LANIN
SH_CTRL
LANIN
24M_CLK_LAN
BIT_CLK_LANOUT
LRCK_CLK_LANOUT
ADAT_LANSRCOUT
CPU_MPMD
LANOUT
CH4SRC_RESET
CH3SRC_RESET
CH2SRC_RESET
CH1SRC_RESET
SUBIC_RESET
SH_DATA
SH_BUS
SH_SF_DATA
V+3R3D_SH
V+1R2D_SH
GNDD
TX_EN
MII_TxD3
MII_TxD2
MII_TxD1
MII_TxD0
TX_CLK
RX_CLK
MII_RxD3
MII_RxD2
MII_RxD1
MII_RxD0
CRS
RX_DV
ETHER_RST
MDC
MDIO
LNKSTA
COL
RX_ER
TX_ER
EXOUT
WOL
1:5B;1:6D;5:11E;5:11G;5:13K;5:4D;5:4F;5:4I;5:4K;6:3F

10.14 MAIN ASSY (5/6)

I 5/6 MAIN ASSY (DWX2920)

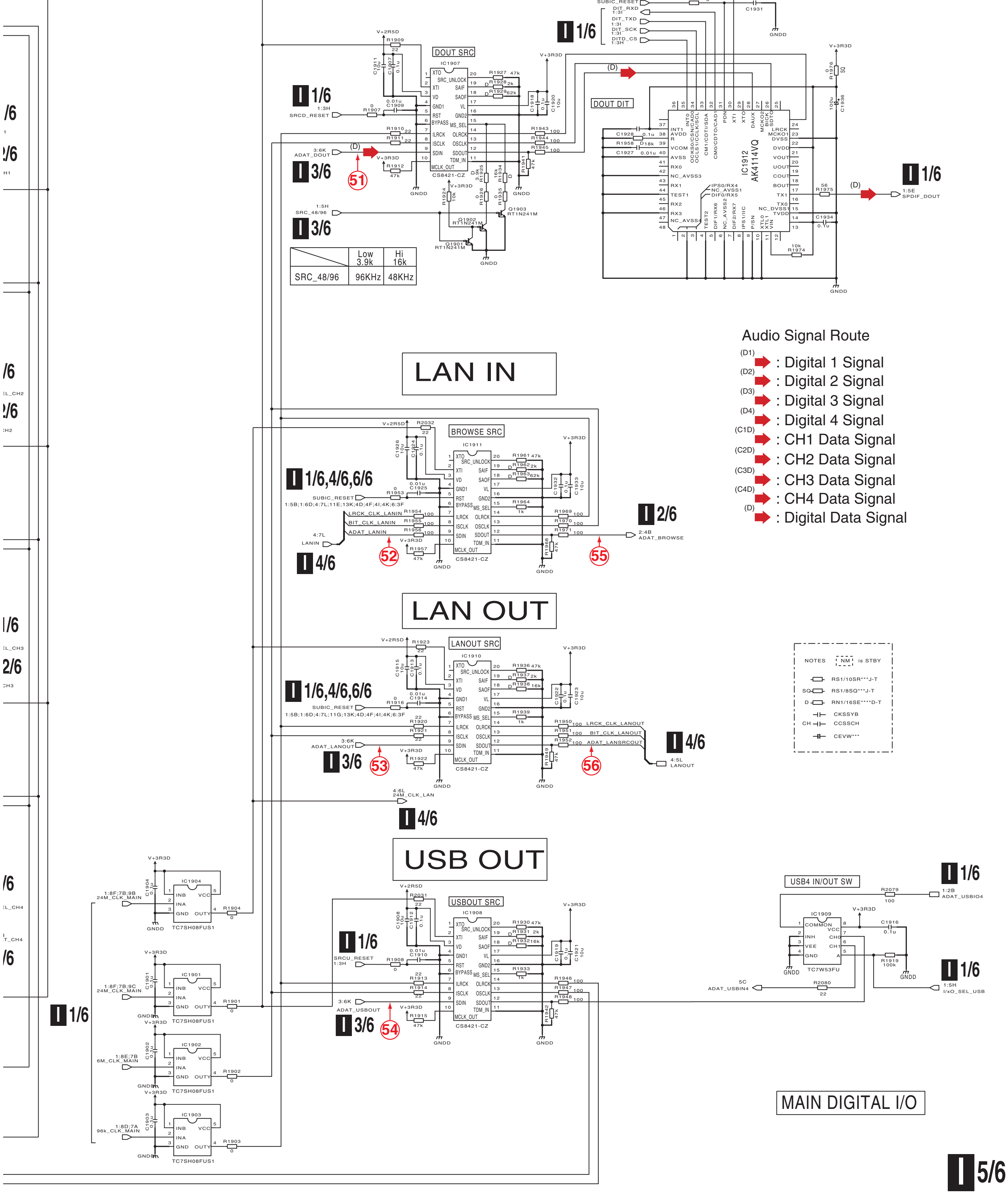

I-a 5/6
I 1/6
1:9J DIF_config
CH1 DIR
CH2 DIR
CH3 DIR
CH4 DIR
IC1801
IC1802
IC1803
IC1804
DIR9001PW
DCH1201-A-T
DIR1_SCKO
DIR1_ERROR
SUBIC_RESET
I 1/6,4/6,6/6
1:5B;1:6D;4:7L;11E;11G;13K;4D;4F;4I;6:3F
I 4/6
4:5L CH1SRC_RESET
4:5L CH2SRC_RESET
4:5L CH3SRC_RESET
4:5L CH4SRC_RESET
CH1 SRC
CH2 SRC
CH3 SRC
CH4 SRC
IC1811
IC1813
IC1815
IC1817
CS8421-CZ
CH1 DIGI/USB SW
CH2 DIGI/USB SW
CH3 DIGI/USB SW
CH4 DIGI/USB SW
IC1807
IC1808
IC1809
IC1810
TC74LCX157FTS1
U/xD_SEL_CH1
U/xD_SEL_CH2
U/xD_SEL_CH3
U/xD_SEL_CH4
1:2B ADAT_USBIN1
1:2B ADAT_USBIN2
1:2B ADAT_USBIN3
14C ADAT_USBIN4
CH1 DIGI/ANA SW
CH2 DIGI/ANA SW
CH3 DIGI/ANA SW
CH4 DIGI/ANA SW
IC1812
IC1814
IC1816
IC1818
TC7WH157FU
1:5H D/xA_SEL_CH1
1:5H D/xA_SEL_CH2
1:5H D/xA_SEL_CH3
1:5H D/xA_SEL_CH4
I 2/6
2:4A ADAT_CH1
2:4B ADAT_CH2
2:4B ADAT_CH3
2:4B ADAT_CH4
(47)
(48)
(49)
(50)
(D1) (C1D)
(D2) (C2D)
(D3) (C3D)
(D4) (C4D)
1:5B ADAT_CH1ANA
1:5C ADAT_CH2ANA
1:5E ADAT_CH3ANA
1:5E ADAT_CH4ANA
1:5D;1:7E CH1_SPDIF
1:5D;1:7D CH2_SPDIF
1:5E;1:7D CH3_SPDIF
1:5E;1:7C CH4_SPDIF
V+3R3D
V+2R5D
GNDD
IC1805
IC1806
IC1918
IC1919
IC1819
IC1820
IC1821
TC7SH08FUS1
1:2B 6M_CLK_USB
1:2B 96k_CLK_USB
1:8F;9B;9C 24M_CLK_MAIN
1:8E;9B 6M_CLK_MAIN
1:8D;9A 96k_CLK_MAIN
1:8F;7B 24M_CLK
I 5/6

I-b 5/6


A-a
A-b
Large size SCH diagram
A-a
A-b
Guide page
A-a
A-b
Detailed page

DIGITAL OUT

I 1/6,4/6,6/6


I 1/6
DOUT SRC
IC1907
CS8421-CZ
SRCD_RESET
ADAT_DOUT
I 3/6
(51)
SRC_48/96
I 3/6
Q1901 RT1N241M
Q1902 RT1N241M
Q1903 RT1N241M
SUBIC_RESET
DIT_RXD
DIT_TXD
DIT_SCK
DITD_CS
I 1/6
DOUT DIT
IC1912
AK4114VQ
(D)
SPDIF_DOUT
I 1/6
LAN IN
BROWSE SRC
IC1911
CS8421-CZ
I 1/6,4/6,6/6
SUBIC_RESET
LRCK_CLK_LANIN
BIT_CLK_LANIN
ADAT_LANIN
LANIN
I 4/6
(52)
(55)
ADAT_BROWSE
I 2/6
LAN OUT
LANOUT SRC
IC1910
CS8421-CZ
I 1/6,4/6,6/6
SUBIC_RESET
ADAT_LANOUT
I 3/6
(53)
(56)
LRCK_CLK_LANOUT
BIT_CLK_LANOUT
ADAT_LANSRCOUT
LANOUT
I 4/6
24M_CLK_LAN
I 4/6
USB OUT
USBOUT SRC
IC1908
CS8421-CZ
I 1/6
SRCU_RESET
ADAT_USBOUT
I 3/6
(54)
IC1904 TC7SH08FU
IC1901 TC7SH08FU
IC1902 TC7SH08FU
IC1903 TC7SH08FU
24M_CLK_MAIN
24M_CLK_MAIN
6M_CLK_MAIN
96k_CLK_MAIN
I 1/6
USB4 IN/OUT SW
IC1909 TC7W53FU
ADAT_USBIO4
ADAT_USBIN4
I/xO_SEL_USB
I 1/6
I 1/6
NOTES NM is STBY
RS1/10SR***J-T
SQ RS1/8SQ***J-T
D RN1/16SE****D-T
CKSSYB
CH CCSSCH
CEVW***
MAIN DIGITAL I/O

	Low 3.9k	Hi 16k
SRC_48/96	96KHz	48KHz

Audio Signal Route

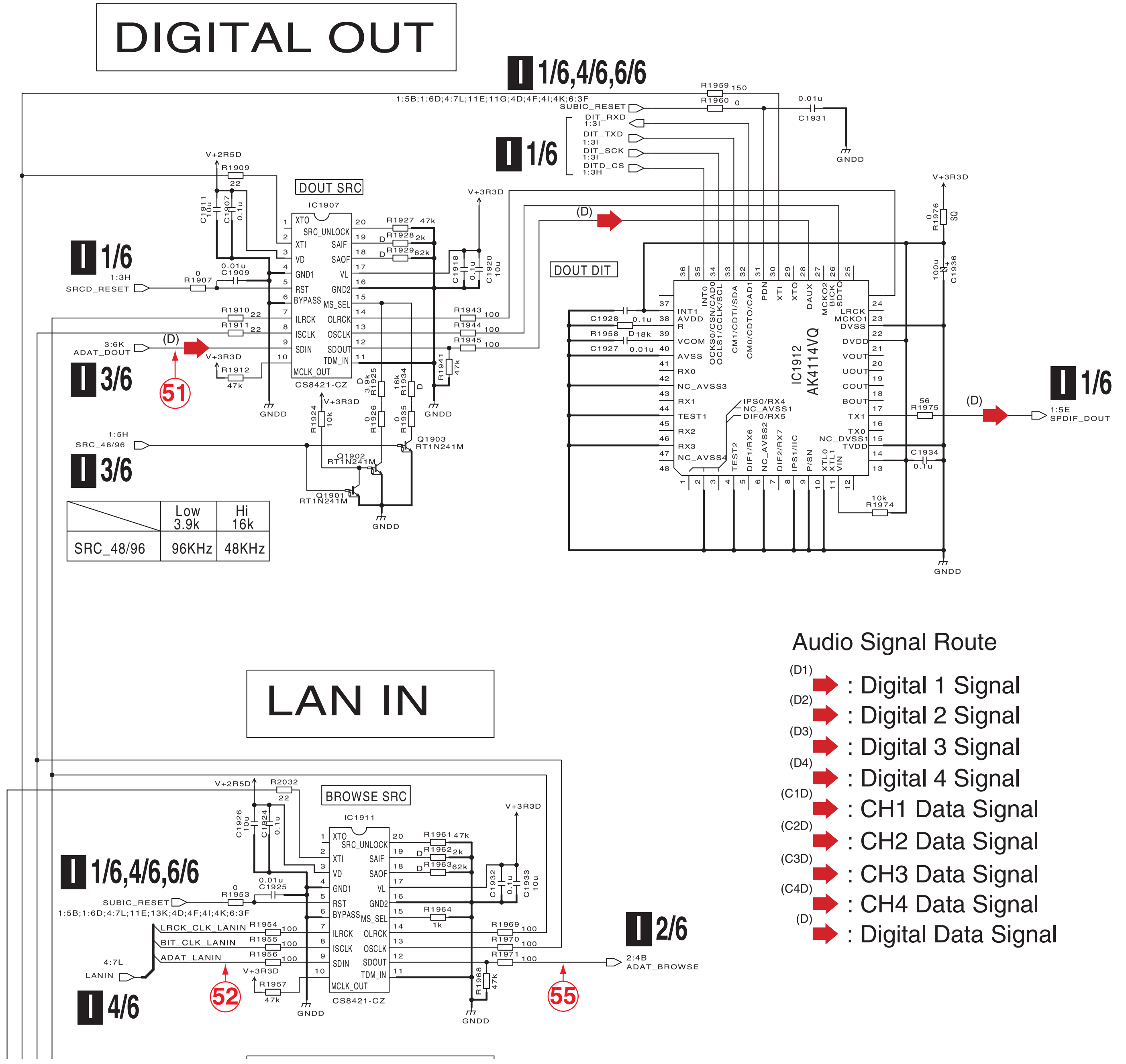
- (D1) ➡ : Digital 1 Signal
- (D2) ➡ : Digital 2 Signal
- (D3) ➡ : Digital 3 Signal
- (D4) ➡ : Digital 4 Signal
- (C1D) ➡ : CH1 Data Signal
- (C2D) ➡ : CH2 Data Signal
- (C3D) ➡ : CH3 Data Signal
- (C4D) ➡ : CH4 Data Signal
- (D) ➡ : Digital Data Signal

MAIN DIGITAL I/O

I 5/6

I 5/6 MAIN ASSY (DWX2920)

A-a A-b

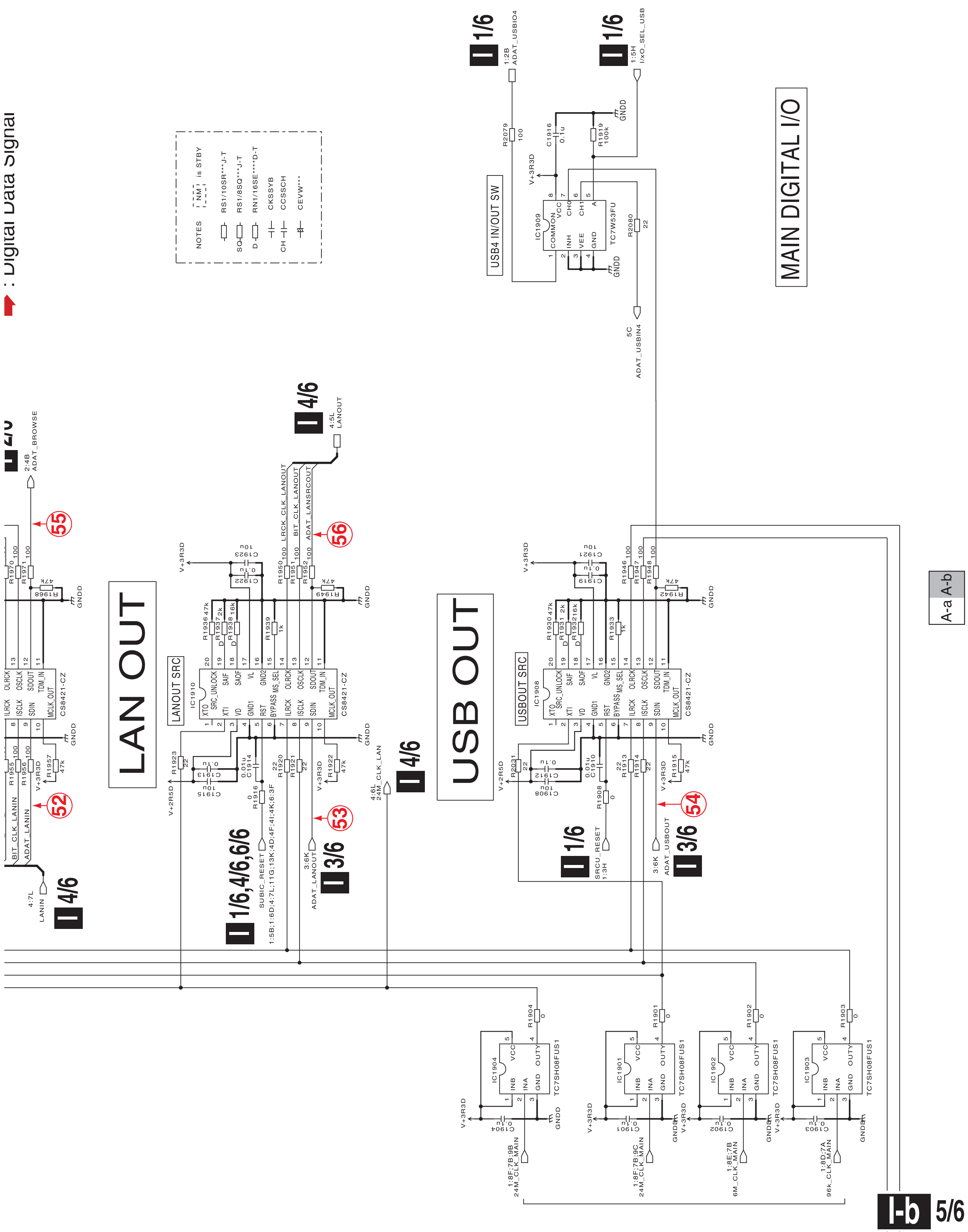


DIGITAL OUT
I 1/6,4/6,6/6
1:5B;1:6D;4:7L;11E;11G;4D;4F;4I;4K;6:3F
SUBIC_RESET
I 1/6
DIT_RXD 1:3I
DIT_TXD 1:3I
DIT_SCK 1:3I
DITD_CS 1:3H
R1959 150
R1960 0
0.01u C1931
GNDD
V+3R3D
R1976 0 SQ
100u C1936
DOUT DIT
IC1912
AK4114VQ
C1928 0.1u
R1958 D18k
C1927 0.01u
R1975 56
C1934 0.1u
R1974 10k
(D)
I 1/6
1:5E SPDIF_DOUT
DOUT SRC
IC1907
CS8421-CZ
XTO SRC_UNLOCK XTI SAIF VD SAOF GND1 VL RST GND2 BYPASS MS_SEL ILRCK OLRCK ISCLK OSCLK SDIN SDOUT TDM_IN MCLK_OUT
V+2R5D
R1909 22
C1911 10u
C1907 0.1u
C1909 0.01u
R1907 0
I 1/6
1:3H SRCD_RESET
R1910 22
R1911 22
R1912 47k
V+3R3D
I 3/6
3:6K ADAT_DOUT
51
R1927 47k
R1928 2k
R1929 62k
C1918 0.1u
C1920 10u
R1943 100
R1944 100
R1945 100
R1941 47k
R1925 3.9k
R1934 16k
R1924 10k
R1926 0
R1935 0
Q1902 RT1N241M
Q1903 RT1N241M
Q1901 RT1N241M
I 3/6
1:5H SRC_48/96
LAN IN
BROWSE SRC
IC1911
CS8421-CZ
V+2R5D
R2032 22
C1926 10u
C1924 0.1u
C1925 0.01u
R1953 0
I 1/6,4/6,6/6
SUBIC_RESET
1:5B;1:6D;4:7L;11E;13K;4D;4F;4I;4K;6:3F
LRCK_CLK_LANIN
BIT_CLK_LANIN
ADAT_LANIN
4:7L LANIN
I 4/6
R1954 100
R1955 100
R1956 100
R1957 47k
52
R1961 47k
R1962 2k
R1963 62k
R1964 1k
C1932 0.1u
C1933 10u
R1969 100
R1970 100
R1971 100
R1968 47k
55
I 2/6
2:4B ADAT_BROWSE

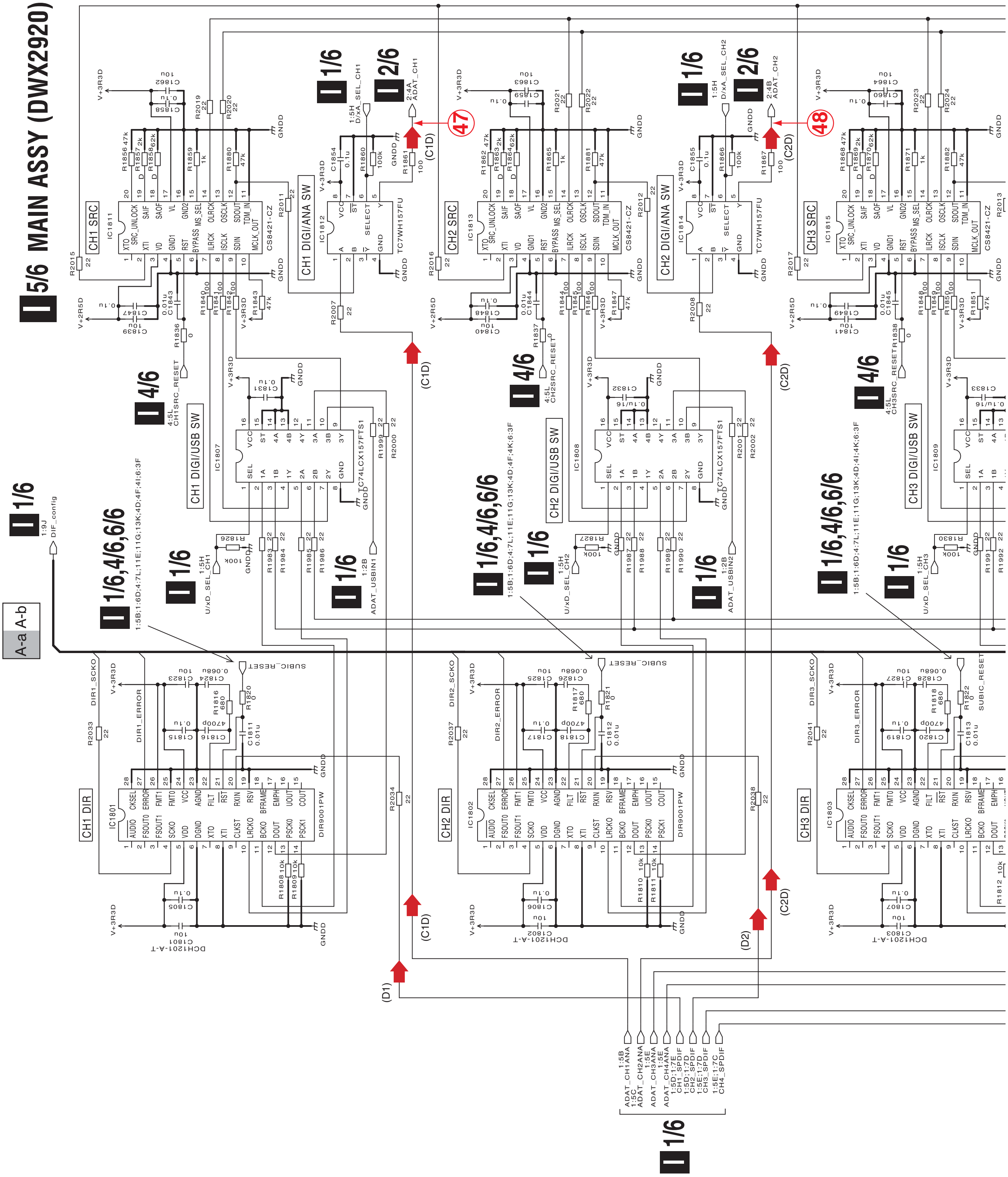
	Low 3.9k	Hi 16k
SRC_48/96	96KHz	48KHz

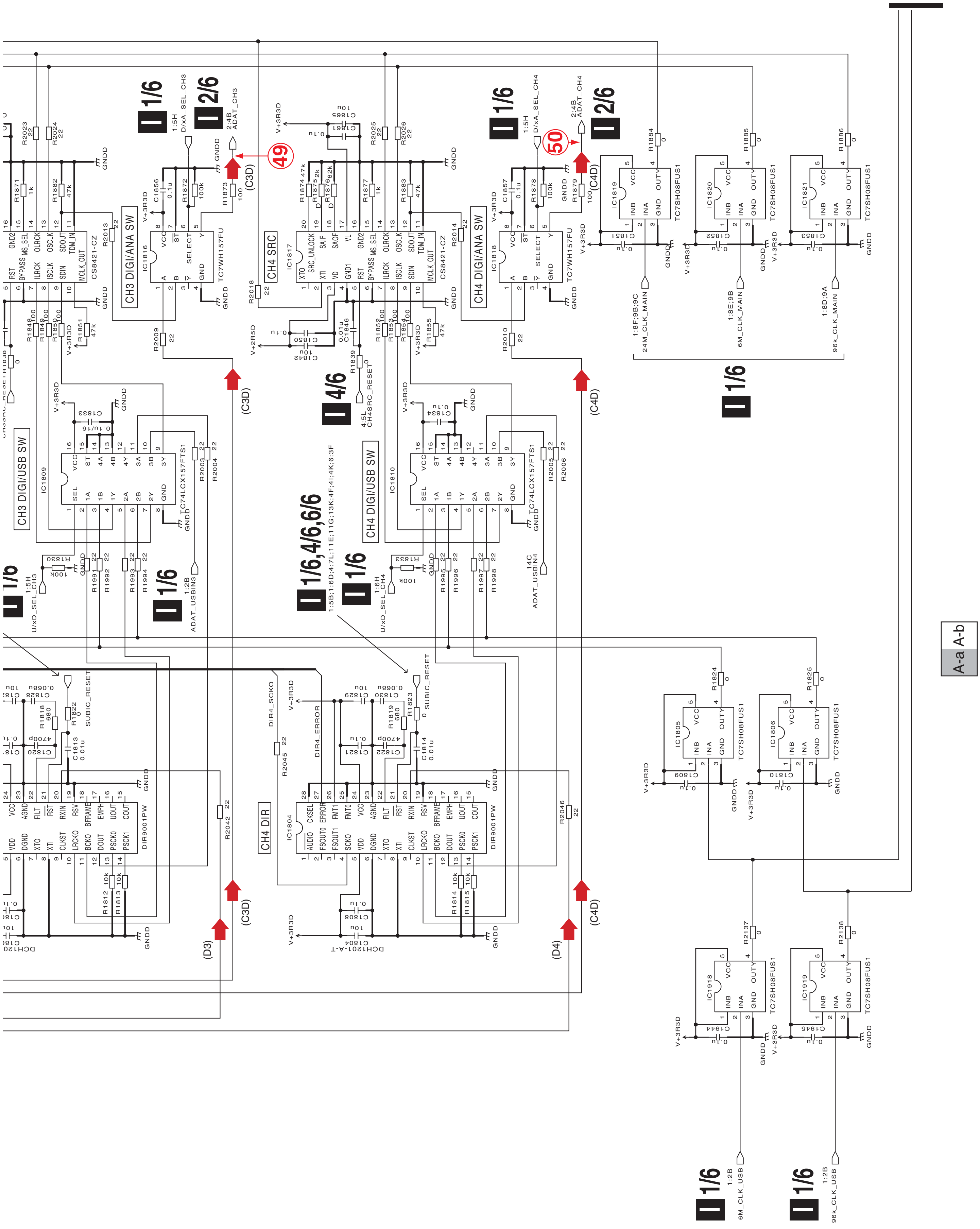
Audio Signal Route

- (D1) 🡆 : Digital 1 Signal
- (D2) 🡆 : Digital 2 Signal
- (D3) 🡆 : Digital 3 Signal
- (D4) 🡆 : Digital 4 Signal
- (C1D) 🡆 : CH1 Data Signal
- (C2D) 🡆 : CH2 Data Signal
- (C3D) 🡆 : CH3 Data Signal
- (C4D) 🡆 : CH4 Data Signal
- (D) 🡆 : Digital Data Signal


: Digital Data Signal
NOTES
NM is STBY
RS1/10SR***J-T
SQ RS1/8SQ***J-T
D RN1/16SE****D-T
CKSSYB
CH CCSSCH
CEVW***
MAIN DIGITAL I/O
USB4 IN/OUT SW
IC1909
TC7W53FU
COMMON
VCC
CH0
CH1
INH
VEE
GND
A
C1916 0.1u
R1919 100k
R2079 100
R2080 22
V+3R3D
GNDD
I 1/6 1:2B ADAT_USBIO4
I 1/6 1:5H I/xO_SEL_USB
5C ADAT_USBIN4
LAN OUT
LANOUT SRC
IC1910
CS8421-CZ
XTO
XTI
VD
GND1
RST
BYPASS
ILRCK
ISCLK
SDIN
MCLK_OUT
SRC_UNLOCK
SAIF
SAOF
VL
GND2
MS_SEL
OLRCK
OSCLK
SDOUT
TDM_IN
R1936 47k
R1937 2k
R1938 16k
R1939 1k
R1949 47k
R1950 100
R1951 100
R1952 100
C1922 0.1u
C1923 10u
LRCK_CLK_LANOUT
BIT_CLK_LANOUT
ADAT_LANSRCOUT
I 4/6 4:5L LANOUT
R1923 22
C1913 0.1u
C1915 10u
C1914 0.01u
R1916 0
R1920 22
R1921 22
R1922 47k
V+2R5D
I 1/6,4/6,6/6 1:5B;1:6D;4:7L;11G;13K;4D;4F;4I;4K;6:3F SUBIC_RESET
I 3/6 3:6K ADAT_LANOUT
I 4/6 4:6L 24M_CLK_LAN
R1970 100
R1971 100
R1968 47k
I 2/6 2:4B ADAT_BROWSE
R1955 100
R1956 100
R1957 47k
BIT_CLK_LANIN
ADAT_LANIN
I 4/6 4:7L LANIN
52
53
55
56
USB OUT
USBOUT SRC
IC1908
CS8421-CZ
R1930 47k
R1931 2k
R1932 16k
R1933 1k
R1942 47k
R1946 100
R1947 100
R1948 100
C1919 0.1u
C1921 10u
R2031 22
C1912 0.1u
C1908 10u
C1910 0.01u
R1908 0
R1913 22
R1914 22
R1915 47k
I 1/6 1:3H SRCU_RESET
I 3/6 3:6K ADAT_USBOUT
54
IC1904
IC1901
IC1902
IC1903
TC7SH08FU1
INB
INA
GND
VCC
OUTY
R1904 0
R1901 0
R1902 0
R1903 0
C1904 0.1u
C1901 0.1u
C1902 0.1u
C1903 0.1u
1:8F;7B;9B 24M_CLK_MAIN
1:8F;7B;9C 24M_CLK_MAIN
1:8E;7B 6M_CLK_MAIN
1:8D;7A 96k_CLK_MAIN
A-a A-b

5/6 MAIN ASSY (DWX2920)


A-a A-b
CH1 SRC
IC1811
CS8421-CZ
CH1 DIGI/ANA SW
IC1812
TC7WH157FU
CH1 DIGI/USB SW
IC1807
TC74LCX157FTS1
CH1 DIR
IC1801
DIR9001PW
CH2 SRC
IC1813
CH2 DIGI/ANA SW
IC1814
CH2 DIGI/USB SW
IC1808
CH2 DIR
IC1802
CH3 SRC
IC1815
CH3 DIGI/USB SW
IC1809
CH3 DIR
IC1803
1/6
2/6
4/6
1/6,4/6,6/6
47
48
(C1D)
(C2D)
(D1)
(D2)
1:9J DIF_config
1:5H D/xA_SEL_CH1
2:4A ADAT_CH1
1:5H D/xA_SEL_CH2
2:4B ADAT_CH2
4:5L CH1SRC_RESET
4:5L CH2SRC_RESET
4:5L CH3SRC_RESET
1:5H U/xD_SEL_CH1
1:5H U/xD_SEL_CH2
1:5H U/xD_SEL_CH3
1:2B ADAT_USBIN1
1:2B ADAT_USBIN2
1:5B;1:6D;4:7L;1:11E;1:11G;13K;4D;4F;4K;4I;6:3F
SUBIC_RESET
DIR1_SCKO
DIR1_ERROR
DIR2_SCKO
DIR2_ERROR
DIR3_SCKO
DIR3_ERROR
DCH1201-A-T
V+3R3D
V+2R5D
GNDD
1:5B ADAT_CH1ANA
1:5C ADAT_CH2ANA
1:5E ADAT_CH3ANA
1:5E ADAT_CH4ANA
1:5D;1:7E CH1_SPDIF
1:5D;1:7D CH2_SPDIF
1:5E;1:7D CH3_SPDIF
1:5E;1:7C CH4_SPDIF
1
2
3
4
A
B
C
D
E
F

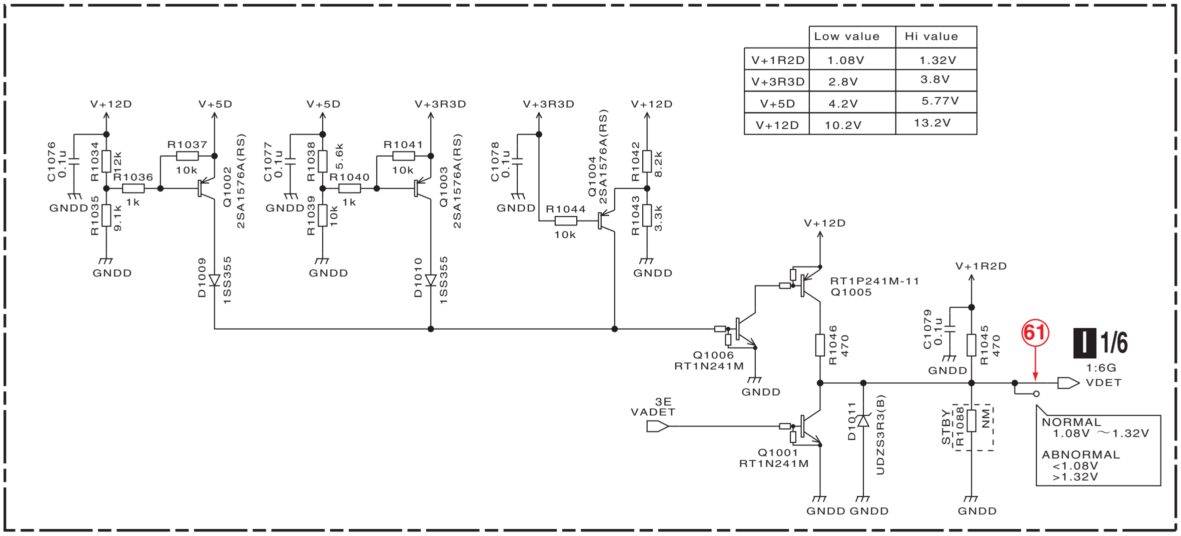

CH3 DIGI/ANA SW
IC1816 TC7WH157FU
CH4 SRC
IC1817 CS8421-CZ
CH4 DIGI/ANA SW
IC1818 TC7WH157FU
IC1819 TC7SH08FUS1
IC1820 TC7SH08FUS1
IC1821 TC7SH08FUS1
CH3 DIGI/USB SW
IC1809 TC74LCX157FTS1
CH4 DIGI/USB SW
IC1810 TC74LCX157FTS1
CH4 DIR
IC1804 DIR9001PW
IC1805 TC7SH08FUS1
IC1806 TC7SH08FUS1
IC1918 TC7SH08FUS1
IC1919 TC7SH08FUS1
I 1/6
I 2/6
I 4/6
I 1/6,4/6,6/6
1:5H D/xA_SEL_CH3
2:4B ADAT_CH3
1:5H D/xA_SEL_CH4
2:4B ADAT_CH4
49
50
(C3D)
(C4D)
(D3)
(D4)
1:8F;9B;9C 24M_CLK_MAIN
1:8E;9B 6M_CLK_MAIN
1:8D;9A 96k_CLK_MAIN
4:5L CH4SRC_RESET
1:5B;1:6D;4:7L;11E;11G;13K;4F;4I;4K;6:3F
1:6H U/xD_SEL_CH4
1:5H U/xD_SEL_CH3
1:2B ADAT_USBIN3
14C ADAT_USBIN4
SUBIC_RESET
DIR4_SCKO
DIR4_ERROR
DCH1201-A-T
1:2B 6M_CLK_USB
1:2B 96k_CLK_USB
V+3R3D
V+2R5D
GNDD
A-a A-b

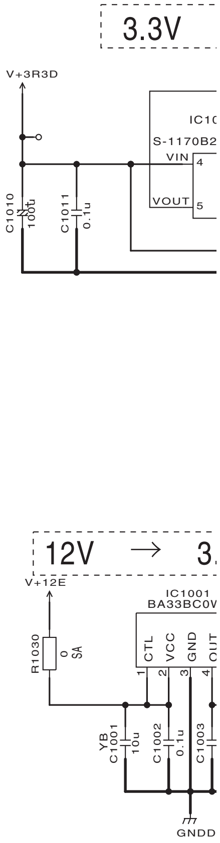
A B C D E F

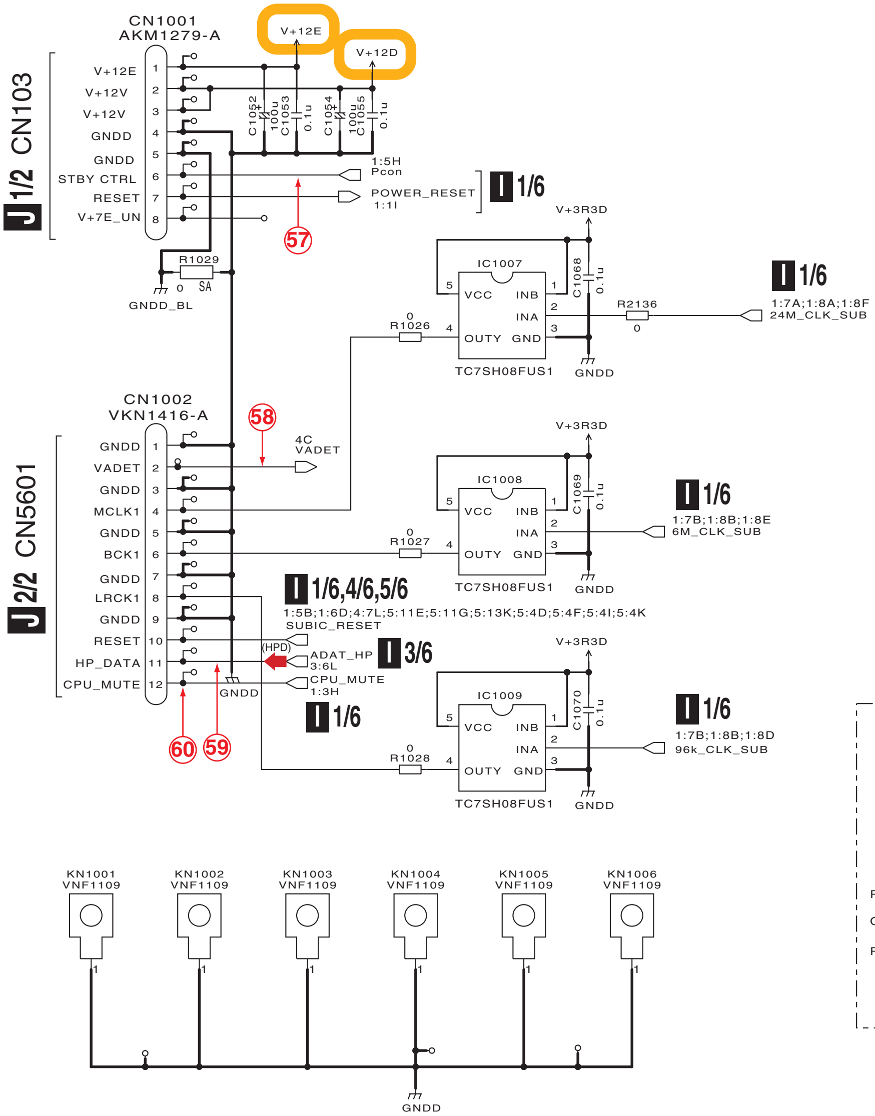
10.15 MAIN ASSY (6/6)

Voltage detection circuit

	Low value	Hi value
V+1R2D	1.08V	1.32V
V+3R3D	2.8V	3.8V
V+5D	4.2V	5.77V
V+12D	10.2V	13.2V


V+12D
V+5D
V+3R3D
C1076 0.1u
R1034 12k
R1035 9.1k
R1036 1k
R1037 10k
Q1002 2SA1576A(RS)
D1009 1SS355
C1077 0.1u
R1038 5.6k
R1039 10k
R1040 1k
R1041 10k
Q1003 2SA1576A(RS)
D1010 1SS355
C1078 0.1u
R1044 10k
Q1004 2SA1576A(RS)
R1042 8.2k
R1043 3.3k
GNDD
RT1P241M-11 Q1005
Q1006 RT1N241M
R1046 470
V+1R2D
C1079 0.1u
R1045 470
61
I 1/6
1:6G VDET
3E VADET
Q1001 RT1N241M
D1011 UDZS3R3(B)
STBY R1088 NM
NORMAL 1.08V ～1.32V
ABNORMAL <1.08V >1.32V


3.3V
V+3R3D
IC10
S-1170B2
VIN 4
VOUT 5
C1010 100u
C1011 0.1u
12V → 3.
V+12E
IC1001 BA33BC0V
R1030 0 SA
CTL VCC GND OUT
1 2 3 4
YB C1001 10u
C1002 0.1u
C1003
GNDD


CN1001 AKM1279-A
V+12E
V+12D
J 1/2 CN103
V+12E
V+12V
V+12V
GNDD
GNDD
STBY CTRL
RESET
V+7E_UN
1 2 3 4 5 6 7 8
C1052 100u
C1053 0.1u
C1054 100u
C1055 0.1u
1:5H Pcon
POWER_RESET 1:1I
I 1/6
57
R1029 0 SA
GNDD_BL
V+3R3D
IC1007
VCC INB INA OUTY GND
C1068 0.1u
R2136 0
I 1/6
1:7A;1:8A;1:8F 24M_CLK_SUB
R1026 0
TC7SH08FUS1
CN1002 VKN1416-A
J 2/2 CN5601
GNDD
VADET
GNDD
MCLK1
GNDD
BCK1
GNDD
LRCK1
GNDD
RESET
HP_DATA
CPU_MUTE
58
4C VADET
IC1008
C1069 0.1u
I 1/6
1:7B;1:8B;1:8E 6M_CLK_SUB
R1027 0
I 1/6,4/6,5/6
1:5B;1:6D;4:7L;5:11E;5:11G;5:13K;5:4D;5:4F;5:4I;5:4K
SUBIC_RESET
(HPD)
ADAT_HP 3:6L
I 3/6
CPU_MUTE 1:3H
I 1/6
60 59
IC1009
C1070 0.1u
I 1/6
1:7B;1:8B;1:8D 96k_CLK_SUB
R1028 0
KN1001 VNF1109
KN1002 VNF1109
KN1003 VNF1109
KN1004 VNF1109
KN1005 VNF1109
KN1006 VNF1109
GNDD

NOTES [NM] is STBY

	RS1/10SR***J-T
SA	RS1/4SA***J-T
SQ	RS1/8SQ***J-T
	CKSSYB
YB	CKSYB
RYB	CKSRYB
QYB	CKSQYB
RCH	CCSRCH
CH	CCSSCH
	CEVW***

Aud
(HPD)

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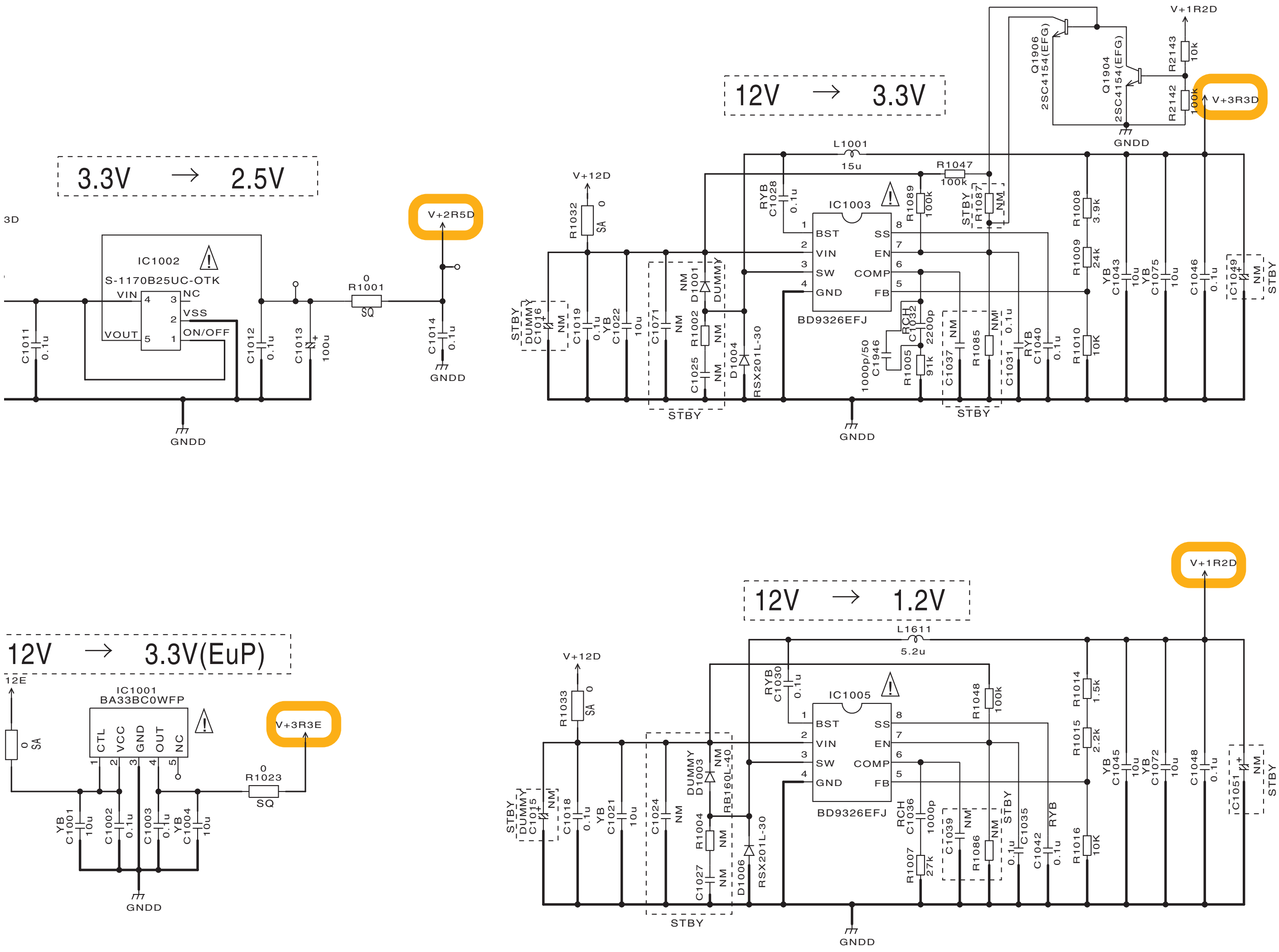
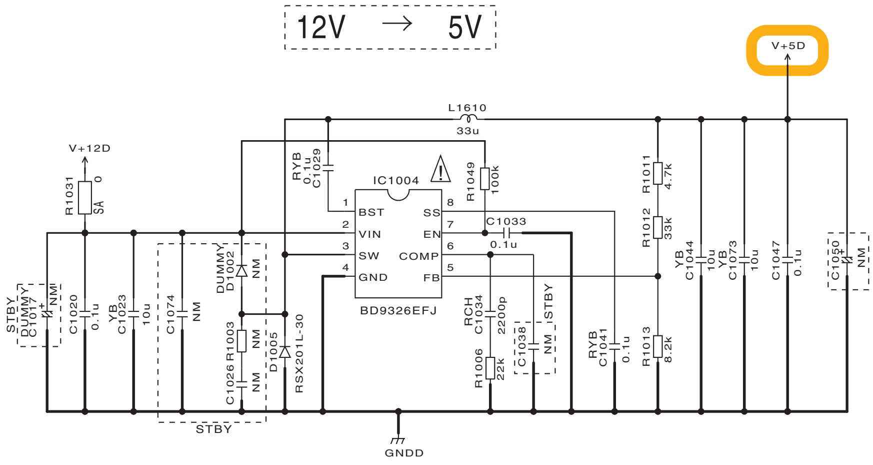
交換する
必ず指定

I 6/6 MAIN ASSY (DWX2920)


3.3V → 2.5V
3D
IC1002
S-1170B25UC-OTK
VIN
NC
VSS
ON/OFF
VOUT
C1011 0.1u
C1012 0.1u
C1013 100u
R1001 0 SQ
V+2R5D
C1014 0.1u
GNDD
12V → 3.3V
V+12D
R1032 0 SA
L1001 15u
R1047 100k
RYB C1028 0.1u
IC1003
BST
VIN
SW
GND
SS
EN
COMP
FB
BD9326EFJ
R1089 100k
STBY R1087 NM
Q1906 2SC4154(EFG)
Q1904 2SC4154(EFG)
V+1R2D
R2143 10k
R2142 100k
V+3R3D
GNDD
R1008 3.9k
R1009 24k
R1010 10K
YB C1043 10u
YB C1075 10u
C1046 0.1u
C1049 NM STBY
STBY DUMMY C1016 NM
C1019 0.1u
YB C1022 10u
C1071 NM
NM D1001 DUMMY
R1002 NM
C1025 NM
D1004
RSX201L-30
STBY
1000p/50 C1946
R1005 91k
RCH C1032 2200p
C1037 NM
R1085 NM
C1031 0.1u
RYB C1040 0.1u
STBY
GNDD
12V → 3.3V(EuP)
12E
IC1001
BA33BC0WFP
CTL VCC GND OUT NC
0 SA
YB C1001 10u
C1002 0.1u
C1003 0.1u
YB C1004 10u
R1023 0 SQ
V+3R3E
GNDD
12V → 1.2V
V+1R2D
L1611 5.2u
V+12D
R1033 0 SA
RYB C1030 0.1u
IC1005
BD9326EFJ
R1048 100k
R1014 1.5k
R1015 2.2k
R1016 10K
YB C1045 10u
YB C1072 10u
C1048 0.1u
C1051 NM STBY
STBY DUMMY C1015 NM
C1018 0.1u
YB C1021 10u
C1024 NM
DUMMY D1003 NM
RB160L-40
R1004 NM
C1027 NM
D1006
RSX201L-30
RCH C1036 1000p
R1007 27k
C1039 NM
R1086 NM
STBY C1035 0.1u
RYB C1042 0.1u
STBY
GNDD


12V → 5V
V+5D
L1610 33u
V+12D
R1031 0 SA
RYB 0.1u C1029
IC1004
BST
VIN
SW
GND
SS
EN
COMP
FB
BD9326EFJ
R1049 100k
C1033 0.1u
R1011 4.7k
R1012 33k
R1013 8.2k
YB C1044 10u
YB C1073 10u
C1047 0.1u
C1050 NM STBY
STBY DUMMY C1017 NM
C1020 0.1u
YB C1023 10u
C1074 NM
DUMMY D1002 NM
R1003 NM
C1026 NM
D1005
RSX201L-30
STBY
RCH C1034 2200p
R1006 22k
C1038 NM STBY
RYB C1041 0.1u
GNDD

Audio Signal Route

(HPD) ➡ : HEADPHONE Data Signal

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

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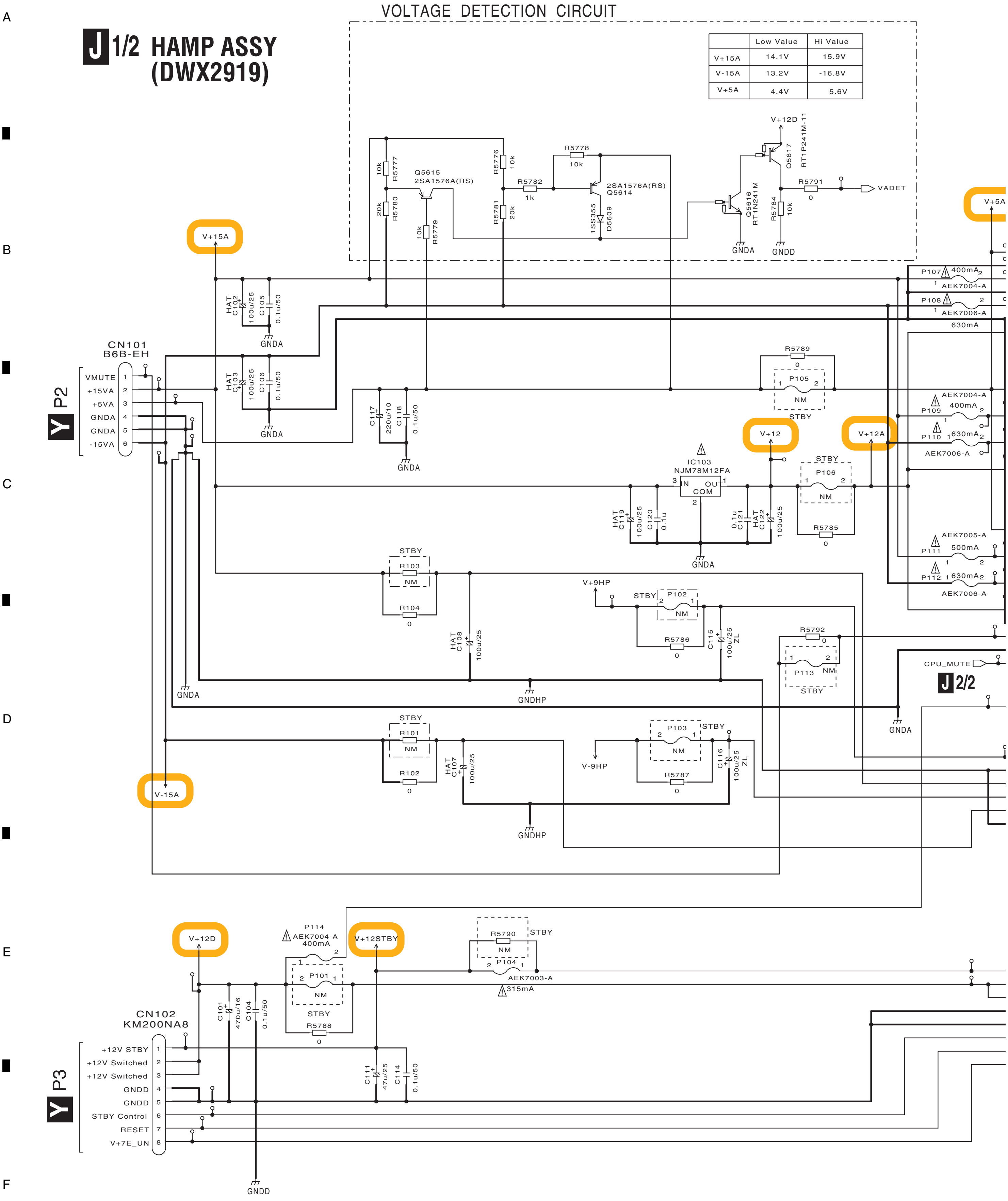
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

MAIN POWER

I 6/6

10.16 HAMP (1/2) and HREG ASSYS

J 1/2 HAMP ASSY (DWX2919)



	Low Value	Hi Value
V+15A	14.1V	15.9V
V-15A	13.2V	-16.8V
V+5A	4.4V	5.6V

A
B
C
D
E
F
VOLTAGE DETECTION CIRCUIT
R5777 10k
R5780 20k
Q5615 2SA1576A(RS)
R5779 10k
R5776 10k
R5781 20k
R5782 1k
R5778 10k
2SA1576A(RS) Q5614
1SS355 D5609
Q5616 RT1N241M
V+12D
Q5617 RT1P241M-11
R5784 10k
R5791 0
VADET
GNDA
GNDD
V+5A
V+15A
HAT C102 100u/25
C105 0.1u/50
GNDA
CN101 B6B-EH
Y P2
VMUTE 1
+15VA 2
+5VA 3
GNDA 4
GNDA 5
-15VA 6
HAT C103 100u/25
C106 0.1u/50
GNDA
C117 220u/10
C118 0.1u/50
GNDA
P107 400mA 1 2 AEK7004-A
P108 1 2 AEK7006-A 630mA
R5789 0
P105 1 2 NM STBY
AEK7004-A P109 400mA 1 2
P110 1 630mA 2 AEK7006-A
V+12
V+12A
IC103 NJM78M12FA
3 IN OUT 1 COM 2
HAT C119 100u/25
C120 0.1u
0.1u C121
HAT C122 100u/25
GNDA
STBY P106 1 2 NM
R5785 0
AEK7005-A P111 500mA 1 2
P112 1 630mA 2 AEK7006-A
STBY R103 NM
R104 0
HAT C108 100u/25
V+9HP
STBY P102 2 1 NM
R5786 0
C115 100u/25 ZL
R5792 0
P113 1 2 NM STBY
CPU_MUTE
J 2/2
GNDA
GNDHP
GNDA
STBY R101 NM
R102 0
HAT C107 100u/25
V-9HP
P103 2 1 NM STBY
R5787 0
C116 100u/25 ZL
V-15A
GNDHP
V+12D
P114 AEK7004-A 400mA 1 2
V+12STBY
P101 2 1 NM STBY
R5788 0
R5790 NM STBY
2 P104 1 AEK7003-A 315mA
CN102 KM200NA8
Y P3
+12V STBY 1
+12V Switched 2
+12V Switched 3
GNDD 4
GNDD 5
STBY Control 6
RESET 7
V+7E_UN 8
C101 470u/16
C104 0.1u/50
C111 47u/25
C114 0.1u/50
GNDD

J 1/2

NOTES NM is STBY

RS1/10SR***J

CKSRYB

CEAT

HAT CEHAT

ZL CEHAZL

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

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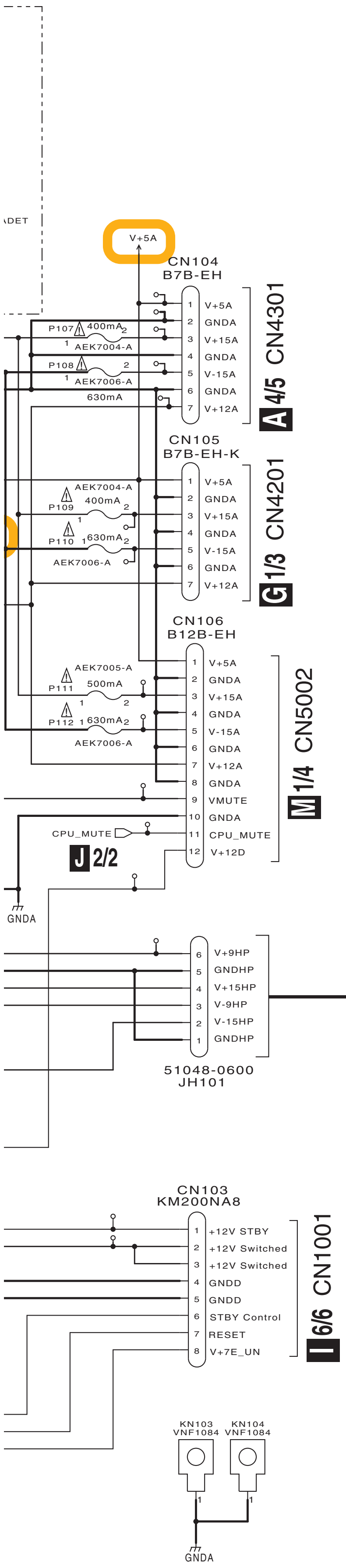
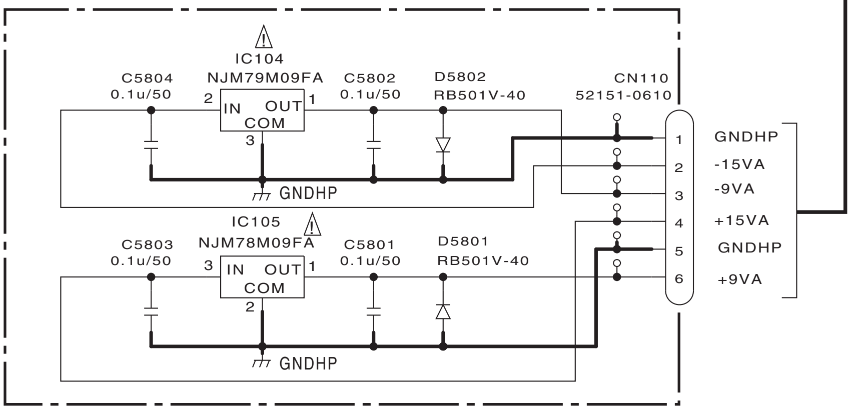
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

CAUTION

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE No.
491.315PAR
MFD. BY LITTELFUSE INC. FOR P104
491.400PAR
MFD. BY LITTELFUSE INC. FOR P107,P109,P114
491.500PAR
MFD. BY LITTELFUSE INC. FOR P111
491.630PAR
MFD. BY LITTELFUSE INC. FOR P108,P110,P112


ADET
V+5A
CN104
B7B-EH
1 V+5A
2 GNDA
3 V+15A
4 GNDA
5 V-15A
6 GNDA
7 V+12A
P107 400mA
AEK7004-A
P108
AEK7006-A
630mA
A 4/5 CN4301
CN105
B7B-EH-K
1 V+5A
2 GNDA
3 V+15A
4 GNDA
5 V-15A
6 GNDA
7 V+12A
AEK7004-A
400mA
P109
P110 630mA
AEK7006-A
G 1/3 CN4201
CN106
B12B-EH
1 V+5A
2 GNDA
3 V+15A
4 GNDA
5 V-15A
6 GNDA
7 V+12A
8 GNDA
9 VMUTE
10 GNDA
11 CPU_MUTE
12 V+12D
AEK7005-A
P111 500mA
P112 630mA
AEK7006-A
CPU_MUTE
J 2/2
M 1/4 CN5002
GNDA
6 V+9HP
5 GNDHP
4 V+15HP
3 V-9HP
2 V-15HP
1 GNDHP
51048-0600
JH101
CN103
KM200NA8
1 +12V STBY
2 +12V Switched
3 +12V Switched
4 GNDD
5 GNDD
6 STBY Control
7 RESET
8 V+7E_UN
I 6/6 CN1001
KN103 VNF1084
KN104 VNF1084
GNDA

K HREG ASSY (DWX2940)

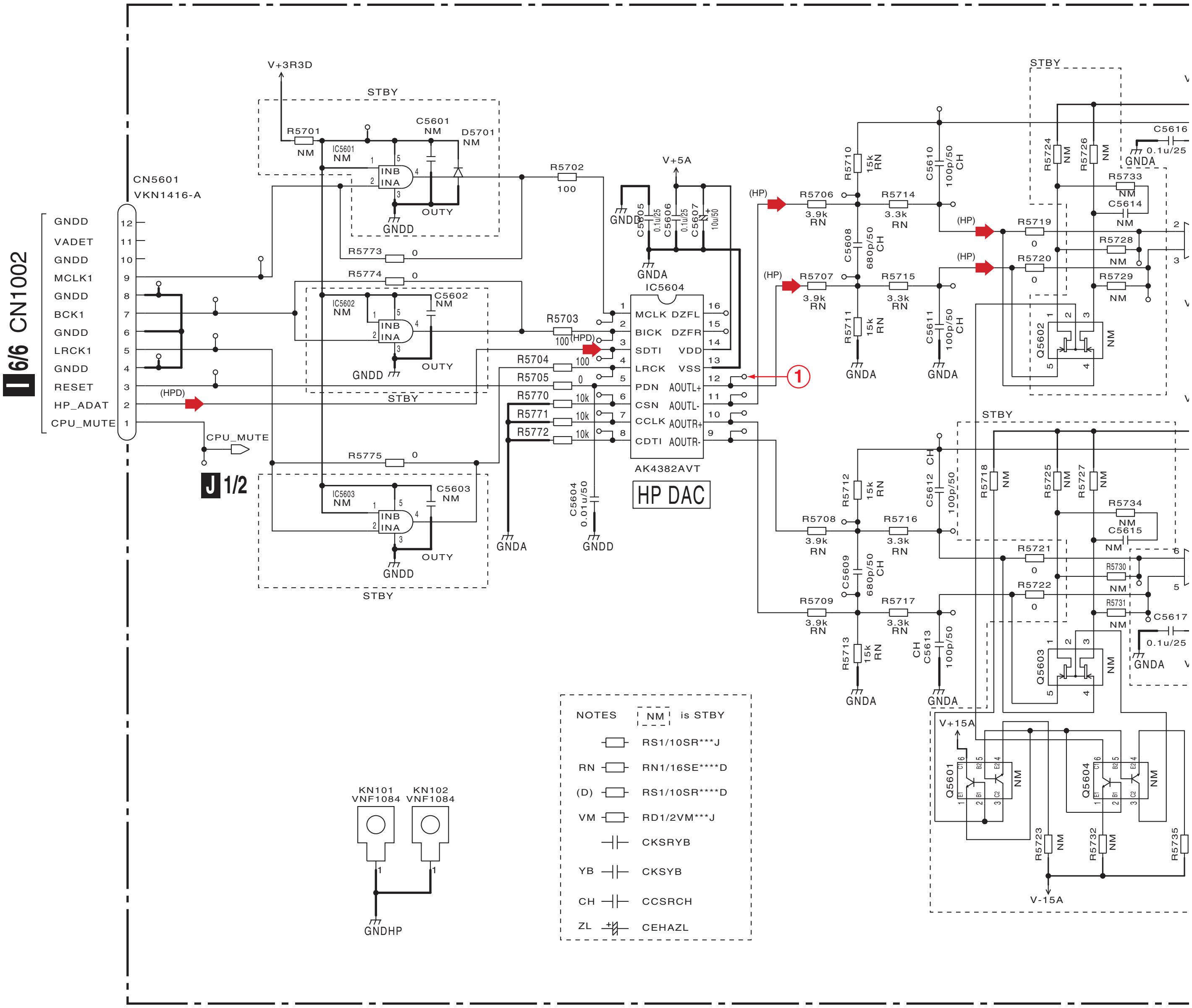

IC104
NJM79M09FA
IN OUT
COM
C5804 0.1u/50
C5802 0.1u/50
D5802 RB501V-40
CN110 52151-0610
GNDHP
IC105
NJM78M09FA
C5803 0.1u/50
C5801 0.1u/50
D5801 RB501V-40
GNDHP
1 GNDHP
2 -15VA
3 -9VA
4 +15VA
5 GNDHP
6 +9VA

CKSRYB

J 1/2 K

10.17 HAMP (2/2) and HPJK ASSYS

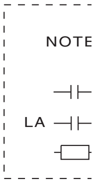
J 2/2 HAMP ASSY (DWX2919)

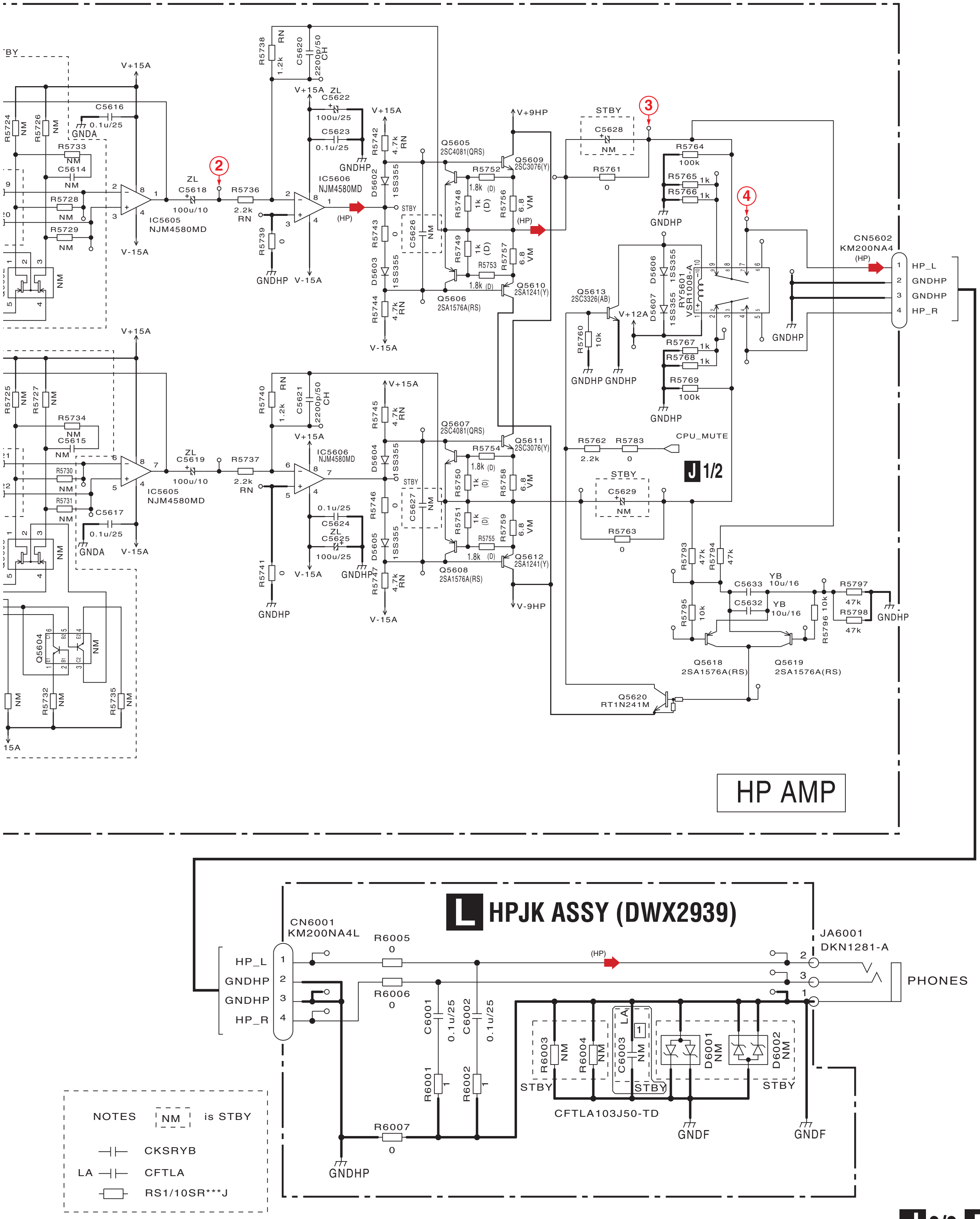

I 6/6 CN1002
CN5601
VKN1416-A
12 GNDD
11 VADET
10 GNDD
9 MCLK1
8 GNDD
7 BCK1
6 GNDD
5 LRCK1
4 GNDD
3 RESET
2 HP_ADAT
1 CPU_MUTE
(HPD)
CPU_MUTE
J 1/2
V+3R3D
STBY
R5701 NM
IC5601 NM
C5601 NM
D5701 NM
INB
INA
OUTY
GNDD
R5702 100
R5773 0
R5774 0
IC5602 NM
C5602 NM
R5703 100
(HPD)
R5704 100
R5705 0
R5770 10k
R5771 10k
R5772 10k
R5775 0
IC5603 NM
C5603 NM
GNDA
C5604 0.01u/50
V+5A
C5605 0.1u/25
C5606 0.1u/25
C5607 10u/50
IC5604
MCLK DZFL
BICK DZFR
SDTI VDD
LRCK VSS
PDN AOUTL+
CSN AOUTL-
CCLK AOUTR+
CDTI AOUTR-
AK4382AVT
HP DAC
①
(HP)
R5706 3.9k RN
R5707 3.9k RN
R5708 3.9k RN
R5709 3.9k RN
R5710 15k RN
R5711 15k RN
R5712 15k RN
R5713 15k RN
R5714 3.3k RN
R5715 3.3k RN
R5716 3.3k RN
R5717 3.3k RN
C5608 680p/50 CH
C5609 680p/50 CH
C5610 100p/50 CH
C5611 100p/50 CH
C5612 100p/50 CH
C5613 100p/50 CH
R5719 0
R5720 0
R5721 0
R5722 0
R5724 NM
R5726 NM
R5725 NM
R5727 NM
R5718 NM
C5616 0.1u/25
C5617 0.1u/25
R5733 NM
C5614 NM
R5728 NM
R5729 NM
R5734 NM
C5615 NM
R5730 NM
R5731 NM
Q5602 NM
Q5603 NM
V+15A
V-15A
Q5601 NM
Q5604 NM
R5723 NM
R5732 NM
R5735
KN101 VNF1084
KN102 VNF1084
GNDHP
NOTES
NM is STBY
RS1/10SR***J
RN RN1/16SE****D
(D) RS1/10SR****D
VM RD1/2VM***J
CKSRYB
YB CKSYB
CH CCSRCH
ZL CEHAZL

Audio Signal Route

(HP) 🡆 : HEADPHONE Signal (L CH)

(HPD) 🡆 : HEADPHONE Data Signal

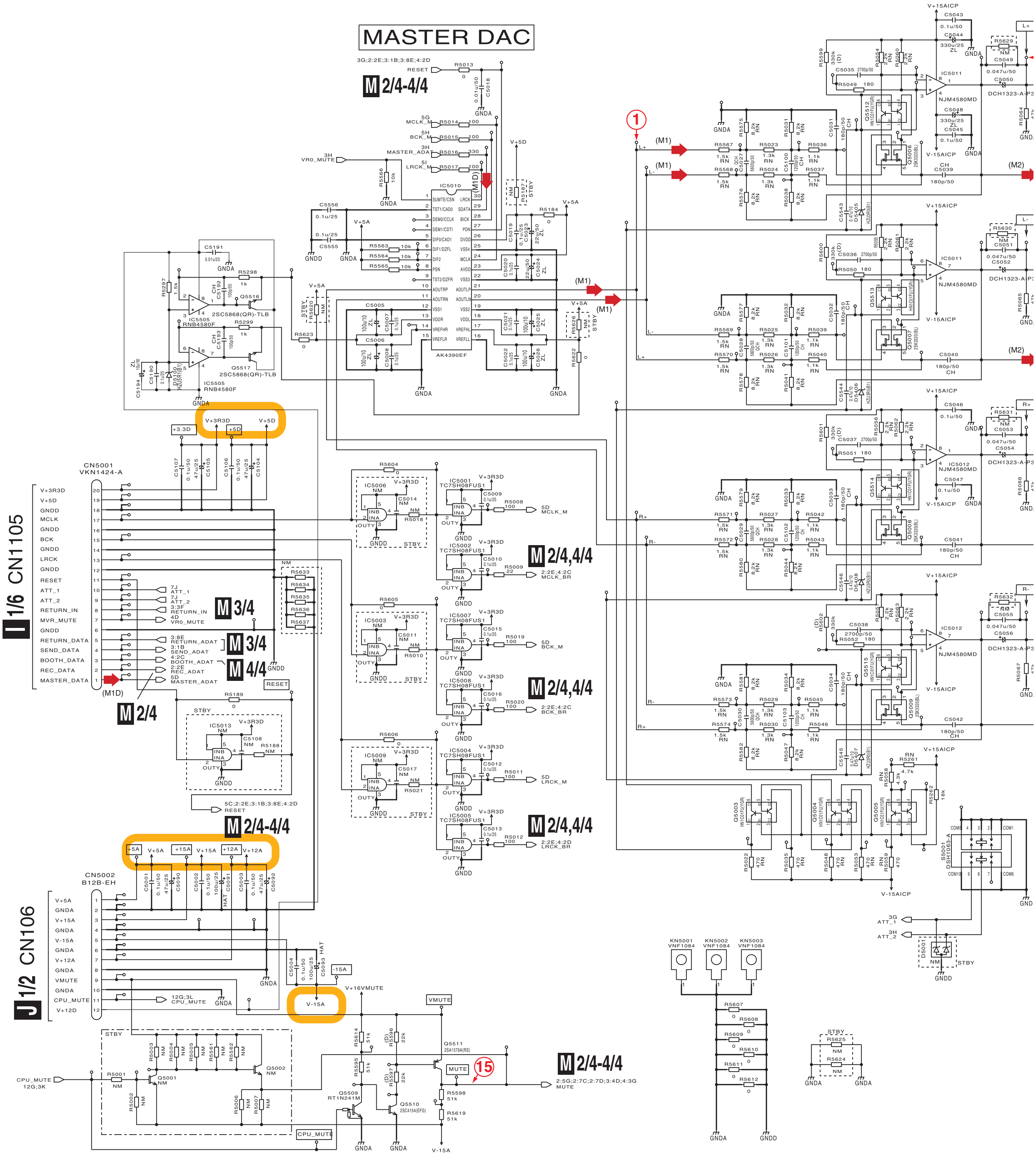



HP AMP
J 1/2
L HPJK ASSY (DWX2939)
IC5605 NJM4580MD
IC5606 NJM4580MD
V+15A
V-15A
V+9HP
V-9HP
V+12A
GNDA
GNDHP
GNDF
STBY
CPU_MUTE
C5616 0.1u/25
C5617 0.1u/25
C5618 ZL 100u/10
C5619 ZL 100u/10
C5620 2200p/50 CH
C5621 2200p/50 CH
C5622 ZL 100u/25
C5623 0.1u/25
C5624 0.1u/25
C5625 ZL 100u/25
C5626 NM
C5627 NM
C5628 NM
C5629 NM
C5632 YB 10u/16
C5633 YB 10u/16
R5724 NM
R5725 NM
R5726 NM
R5727 NM
R5728 NM
R5729 NM
R5730 NM
R5731 NM
R5733 NM
R5734 NM
C5614 NM
C5615 NM
R5732 NM
R5735 NM
R5736 2.2k RN
R5737 2.2k RN
R5738 1.2k RN
R5740 1.2k RN
R5739 0
R5741 0
R5742 4.7k RN
R5744 4.7k RN
R5745 4.7k RN
R5747 4.7k RN
R5743 0
R5746 0
R5748 1k (D)
R5749 1k (D)
R5750 1k (D)
R5751 1k (D)
R5752 1.8k (D)
R5753 1.8k (D)
R5754 1.8k (D)
R5755 1.8k (D)
R5756 6.8 VM
R5757 6.8 VM
R5758 6.8 VM
R5759 6.8 VM
R5760 10k
R5761 0
R5762 2.2k
R5783 0
R5763 0
R5764 100k
R5765 1k
R5766 1k
R5767 1k
R5768 1k
R5769 100k
R5793 47k
R5794 47k
R5795 10k
R5796 10k
R5797 47k
R5798 47k
D5602 1SS355
D5603 1SS355
D5604 1SS355
D5605 1SS355
D5606 1SS355
D5607 1SS355
Q5604
Q5605 2SC4081(QRS)
Q5606 2SA1576A(RS)
Q5607 2SC4081(QRS)
Q5608 2SA1576A(RS)
Q5609 2SC3076(Y)
Q5610 2SA1241(Y)
Q5611 2SC3076(Y)
Q5612 2SA1241(Y)
Q5613 2SC3326(AB)
Q5618 2SA1576A(RS)
Q5619 2SA1576A(RS)
Q5620 RT1N241M
RY5601 VSR1008-A
CN5602 KM200NA4
HP_L
GNDHP
GNDHP
HP_R
(HP)
②
③
④
CN6001 KM200NA4L
R6005 0
R6006 0
R6007 0
R6001
R6002
R6003 NM
R6004 NM
C6001 0.1u/25
C6002 0.1u/25
C6003 NM
LA
CFTLA103J50-TD
D6001 NM
D6002 NM
JA6001 DKN1281-A
PHONES
NOTES
NM is STBY
CKSRYB
LA CFTLA
RS1/10SR***J

10.18 AOUT ASSY (1/4)

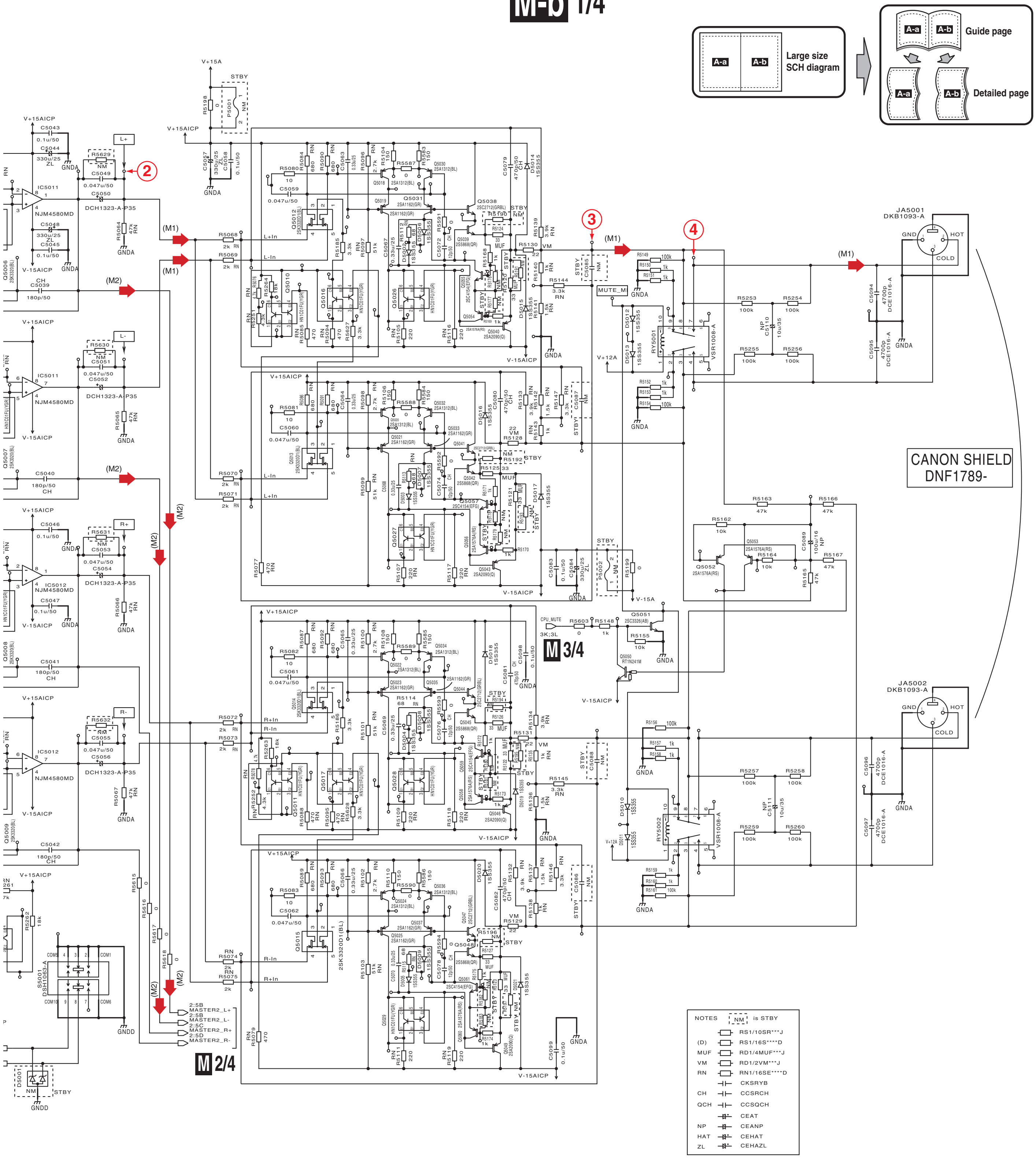
M-a 1/4

M 1/4 AOUT ASSY (DWX2924)


MASTER DAC
3G;2:2E;3:1B;3:8E;4:2D
RESET
M 2/4-4/4
MCLK_M
BCK_M
MASTER_ADA
LRCK_M
VR0_MUTE
IC5010
AK4390EF
(M1D)
(M1)
(M2)
①
L+
L-
R+
R-
V+15AICP
V-15AICP
IC5011
IC5012
NJM4580MD
DCH1323-A-P3
GNDA
GNDD
IC5505
RNB4580F
Q5516
Q5517
2SC5868(QR)-TLB
V+3R3D
V+5D
+3.3D
+5D
CN5001
VKN1424-A
I 1/6 CN1105
V+3R3D
V+5D
GNDD
MCLK
GNDD
BCK
GNDD
LRCK
GNDD
RESET
ATT_1
ATT_2
RETURN_IN
MVR_MUTE
GNDD
RETURN_DATA
SEND_DATA
BOOTH_DATA
REC_DATA
MASTER_DATA
M 3/4
M 4/4
M 2/4
STBY
IC5013
IC5006
IC5003
IC5009
IC5001
IC5002
IC5007
IC5008
IC5004
IC5005
TC7SH08FUS1
5D MCLK_M
2:2E;4:2C MCLK_BR
5D BCK_M
2:2E;4:2C BCK_BR
5D LRCK_M
2:2E;4:2D LRCK_BR
M 2/4,4/4
5C;2:2E;3:1B;3:8E;4:2D RESET
+5A
V+5A
+15A
V+15A
+12A
V+12A
CN5002
B12B-EH
J 1/2 CN106
V+5A
GNDA
V+15A
GNDA
V-15A
GNDA
V+12A
GNDA
VMUTE
GNDA
CPU_MUTE
V+12D
12G;3L CPU_MUTE
-15A
V-15A
V+16VMUTE
VMUTE
CPU_MUTE 12G;3K
Q5001
Q5002
Q5509 RT1N241M
Q5510 2SC4154(EFG)
Q5511 2SA1576A(RS)
MUTE
⑮
2:5G;2:7C;2:7D;3:4D;4:3G MUTE
KN5001 VNF1084
KN5002 VNF1084
KN5003 VNF1084
S5001 DSH1063-A
ATT_1 3G
ATT_2 3H
D5001
Q5003
Q5004
Q5005
Q5506
Q5507
Q5508
Q5509
Q5512
Q5513
Q5514
Q5515
2SK3320(BL)
HN1C01FU(YGR)

M 1/4

M-b 1/4


A-a
A-b
Large size SCH diagram
Guide page
Detailed page
V+15A
STBY
P5001
NM
V+15AICP
IC5011
NJM4580MD
DCH1323-A-P35
IC5012
L+
L-
R+
R-
(M1)
(M2)
JA5001
DKB1093-A
JA5002
DKB1093-A
GND
HOT
COLD
RY5001
VSR1008-A
RY5002
CANON SHIELD
DNF1789-
MUTE_M
CPU_MUTE
3K;3L
Q5051
2SC3326(AB)
M 3/4
M 2/4
S5001
DSH1063-A
2:5B MASTER2_L+
2:5B MASTER2_L-
2:5C MASTER2_R+
2:5D MASTER2_R-
GNDA
GNDD
V-15AICP
V-15A
V+12A
NOTES
NM is STBY
RS1/10SR***J
(D) RS1/16S****D
MUF RD1/4MUF***J
VM RD1/2VM***J
RN RN1/16SE****D
CKSRYB
CH CCSRCH
QCH CCSQCH
CEAT
NP CEANP
HAT CEHAT
ZL CEHAZL

Audio Signal Route

(M1) ➡ : MASTER1 Signal (L CH)

(M2) ➡ : MASTER2 Signal (L CH)

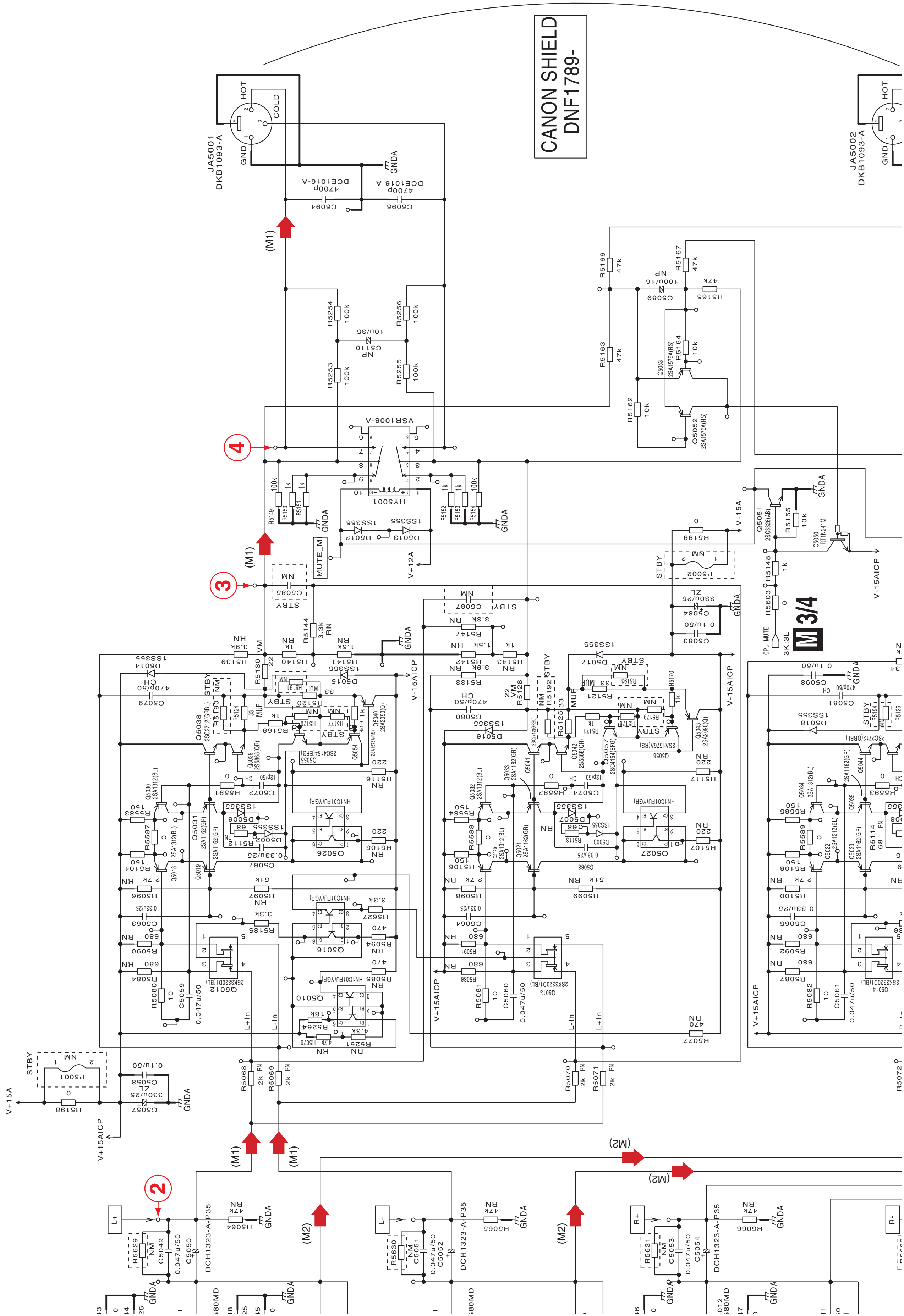
(M1D) ➡ : MASTER1 Data Signal

MASTER1 OUT

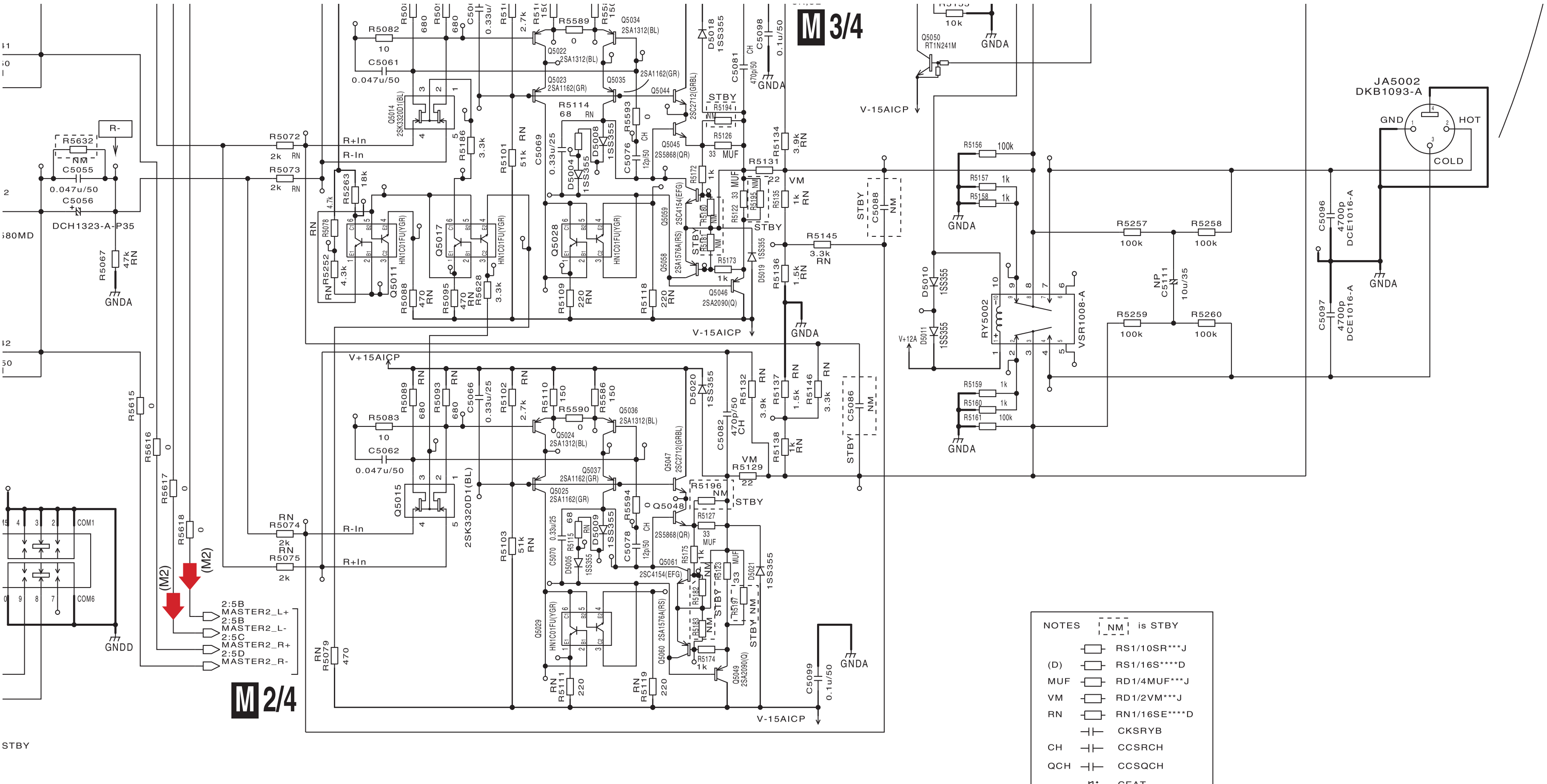
M 1/4

M 1/4 AOUT ASSY (DWX2924)

A-a A-b


1
2
3
4
A
B
C
D
E
F
CANON SHIELD
DNF1789-
JA5001
DKB1093-A
JA5002
DKB1093-A
HOT
COLD
GND
GNDA
C5094
4700p
DCE1016-A
C5095
4700p
DCE1016-A
(M1)
(M2)
R5254
100k
R5256
100k
R5253
100k
R5255
100k
C5110
10u/35
NP
VSR1008-A
RY5001
R5149
100k
R5150
1k
R5151
1k
R5152
1k
R5153
1k
R5154
100k
D5012
1SS355
D5013
1SS355
MUTE_M
V+12A
R5166
47k
R5167
47k
C5089
100u/16
NP
R5165
47K
R5163
47k
R5164
10k
R5162
10k
Q5053
2SA1576A(RS)
Q5052
2SA1576A(RS)
Q5051
2SC3326(AB)
R5155
10k
Q5050
RT1N241M
V-15A
V-15AICP
V+15A
V+15AICP
R5199
0
P5002
P5001
STBY
NM
R5148
1k
R5603
0
CPU_MUTE
3K;3L
M 3/4
C5083
0.1u/50
C5084
330u/25
ZL
C5085
C5087
R5144
3.3k
RN
VM
R5130
22
R5128
22
R5139
3.9k
R5140
1k
R5141
1.5k
R5142
3.9k
R5143
1k
R5147
3.3k
D5014
1SS355
D5015
1SS355
D5016
1SS355
D5017
1SS355
D5018
1SS355
C5079
470p/50
CH
C5080
470p/50
C5081
C5098
0.1u/50
Q5038
2SC2712(GRBL)
Q5039
2SS868(QR)
Q5040
2SA2090(Q)
Q5041
2SC2712(GRBL)
Q5042
2SS868(QR)
Q5043
2SA2090(Q)
Q5054
Q5055
2SC4154(EFG)
Q5056
Q5057
2SC4154(EFG)
C5072
12p/50
C5074
12p/50
R5591
0
R5592
0
R5593
0
R5116
220
R5117
220
Q5030
2SA1312(BL)
Q5031
2SA1162(GR)
Q5032
2SA1312(BL)
Q5033
2SA1162(GR)
Q5034
2SA1312(BL)
R5583
150
R5584
150
R5585
150
R5587
R5588
R5589
D5006
D5007
D5002
D5003
R5112
R5113
R5114
68
HN1C01FU(YGR)
Q5026
Q5027
Q5016
Q5010
R5105
220
R5107
220
C5067
0.33u/25
C5068
R5104
150
R5106
150
R5108
150
Q5018
Q5019
Q5020
Q5021
Q5022
Q5023
R5096
2.7k
R5097
51k
R5098
2.7k
R5099
51k
R5100
2.7k
C5063
0.33u/25
C5064
0.33u/25
C5065
0.33u/25
R5185
3.3k
R5627
3.3k
R5094
470
R5095
470
R5090
680
R5091
680
R5092
680
R5084
680
R5086
680
R5087
680
Q5012
2SK3320D1(BL)
Q5013
2SK3320D1(BL)
Q5014
2SK3320D1(BL)
R5080
10
R5081
10
R5082
10
C5059
0.047u/50
C5060
0.047u/50
C5061
0.047u/50
R5264
18K
R5076
4.7k
R5251
4.3K
R5077
470
L+In
L-In
R5068
2k
R5069
2k
R5070
2k
R5071
2k
R5072
C5058
0.1u/50
C5057
330u/25
ZL
R5198
0
L+
L-
R+
R-
R5629
NM
C5049
R5630
C5051
R5631
C5053
C5050
0.047u/50
C5052
0.047u/50
C5054
0.047u/50
DCH1323-A-P35
R5064
47k
R5065
47k
R5066
47k
RN
NM
STBY
MUF

MASTER1 OUT


M 3/4
M 2/4
JA5002
DKB1093-A
GND
HOT
COLD
GNDA
C5096
4700p
DCE1016-A
C5097
4700p
DCE1016-A
R5257
100k
R5258
100k
R5259
100k
R5260
100k
NP
C5111
10u/35
RY5002
VSR1008-A
D5010
1SS355
D5011
1SS355
V+12A
R5156
100k
R5157
1k
R5158
1k
R5159
1k
R5160
1k
R5161
100k
Q5050
RT1N241M
10k
V-15AICP
V+15AICP
STBY
C5088
NM
C5086
R5145
3.3k
RN
R5134
3.9k
R5135
1k
R5136
1.5k
R5137
1.5k
R5146
3.3k
R5132
3.9k
R5138
1k
R5131
22
R5129
22
VM
C5098
0.1u/50
C5099
0.1u/50
C5081
470p/50
C5082
470p/50
CH
D5018
1SS355
D5019
1SS355
D5020
1SS355
D5021
1SS355
Q5044
2SC2712(GRBL)
Q5047
2SC2712(GRBL)
Q5045
2SS868(QR)
Q5048
2SS868(QR)
Q5046
2SA2090(Q)
Q5049
2SA2090(Q)
Q5059
2SC4154(EFG)
Q5061
2SC4154(EFG)
Q5058
2SA1576A(RS)
Q5060
2SA1576A(RS)
R5126
33
MUF
R5127
33
R5194
R5195
R5196
R5172
R5173
R5174
R5175
R5122
R5123
R5180
R5181
R5182
R5183
R5197
Q5028
Q5017
Q5011
Q5029
HN1C01FU(YGR)
Q5014
2SK3320D1(BL)
Q5015
2SK3320D1(BL)
Q5022
2SA1312(BL)
Q5024
2SA1312(BL)
Q5034
2SA1312(BL)
Q5036
2SA1312(BL)
Q5023
2SA1162(GR)
Q5025
2SA1162(GR)
Q5035
2SA1162(GR)
Q5037
2SA1162(GR)
R5589
R5590
0
R5593
R5594
R5586
150
R5114
68
R5115
68
C5069
0.33u/25
C5070
0.33u/25
C5066
0.33u/25
C5076
C5078
12p/50
D5004
D5005
D5008
D5009
1SS355
R5101
51k
R5103
51k
R5102
2.7k
R5110
150
R5109
220
R5111
220
R5118
220
R5119
220
R5186
3.3k
R5628
3.3k
R5095
470
R5088
470
R5089
680
R5093
680
R5082
10
R5083
10
C5061
0.047u/50
C5062
0.047u/50
R5263
18k
R5252
4.3k
R5078
4.7k
R5072
2k
R5073
2k
R5074
2k
R5075
2k
R5079
470
R+In
R-In
R5615
R5616
R5617
R5618
0
(M2)
2:5B
MASTER2_L+
2:5B
MASTER2_L-
2:5C
MASTER2_R+
2:5D
MASTER2_R-
R5632
NM
C5055
0.047u/50
C5056
DCH1323-A-P35
R5067
47k
RN
GNDA
R-
COM1
COM6
GNDD
STBY

NOTES	⌜NM⌟ is STBY
	RS1/10SR***J
(D)	RS1/16S***D
MUF	RD1/4MUF***J
VM	RD1/2VM***J
RN	RN1/16SE***D
	CKSRYB
CH	CCSRCH
QCH	CCSQCH
	CEAT
NP	CEANP
HAT	CEHAT
ZL	CEHAZL

Audio Signal Route

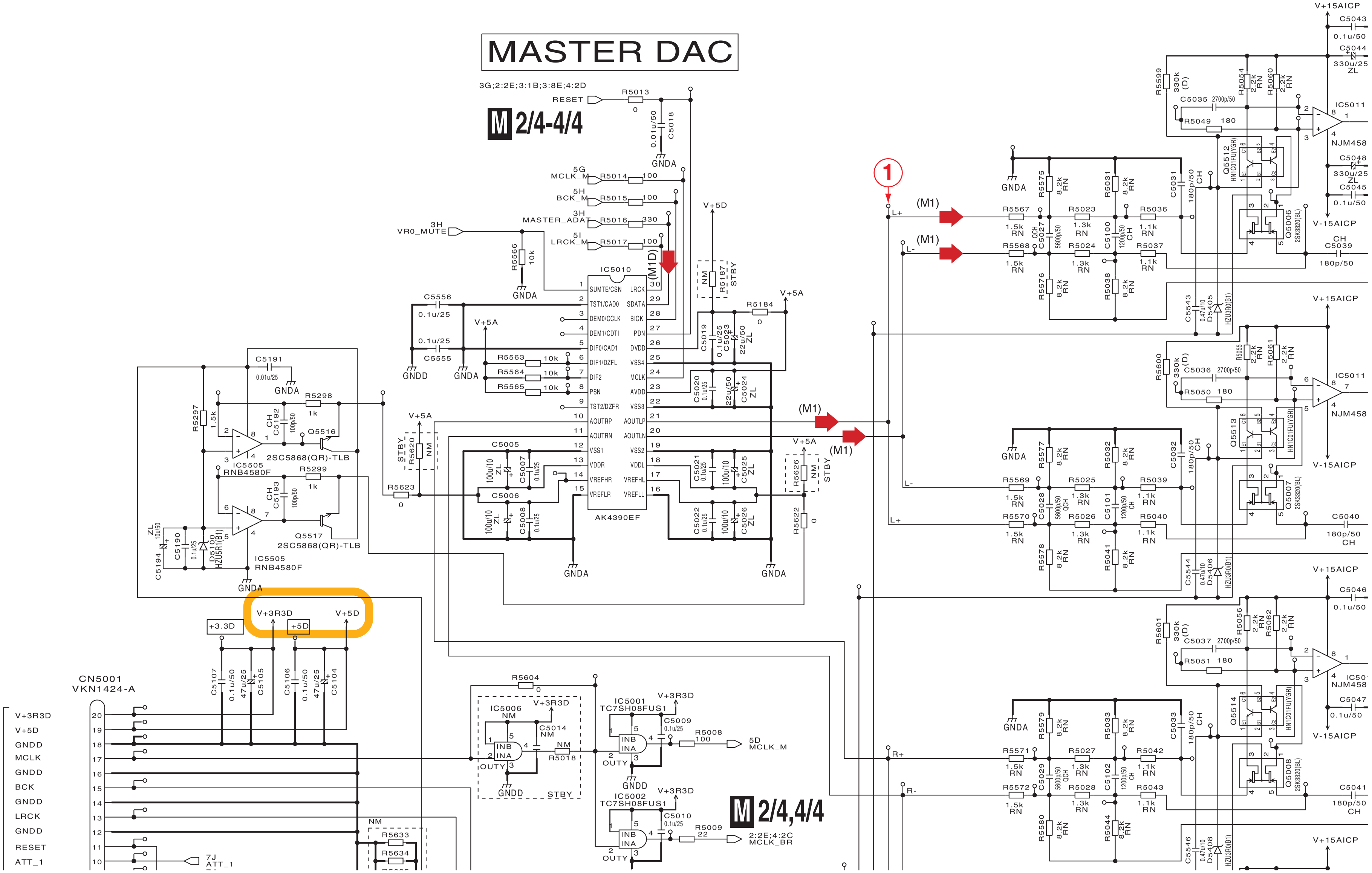
(M1) ➡ : MASTER1 Signal (L CH)

(M2) ➡ : MASTER2 Signal (L CH)

(M1D) ➡ : MASTER1 Data Signal

M 1/4 AOUT ASSY (DWX2924)

A-a A-b



MASTER DAC
3G;2:2E;3:1B;3:8E;4:2D
RESET
M 2/4-4/4
R5013
0
C5018
0.01u/50
GNDA
5G MCLK_M
5H BCK_M
3H MASTER_ADAT
5I LRCK_M
R5014 100
R5015 100
R5016 330
R5017 100
(M1D)
3H VR0_MUTE
R5566 10k
GNDA
IC5010
AK4390EF
SUMTE/CSN
TST1/CAD0
DEM0/CCLK
DEM1/CDTI
DIF0/CAD1
DIF1/DZFL
DIF2
PSN
TST2/DZFR
AOUTRP
AOUTRN
VSS1
VDDR
VREFHR
VREFLR
LRCK
SDATA
BICK
PDN
DVDD
VSS4
MCLK
AVDD
VSS3
AOUTLP
AOUTLN
VSS2
VDDL
VREFHL
VREFLL
C5556 0.1u/25
C5555 0.1u/25
GNDD
GNDA
V+5A
R5563 10k
R5564 10k
R5565 10k
V+5D
R5187 NM STBY
R5184 0
C5019 0.1u/25
C5023 22u/50 ZL
C5020 0.1u/25
C5024 22u/50 ZL
C5005 100u/10 ZL
C5007 0.1u/25
C5006 100u/10 ZL
C5008 0.1u/25
C5021 0.1u/25
C5025 100u/10 ZL
C5022 0.1u/25
C5026 100u/10 ZL
R5620 NM STBY
R5623 0
R5626 NM STBY
R5622 0
V+5A
(M1)
C5191 0.01u/25
R5298 1k
R5297 1.5k
C5192 CH 100p/50
Q5516 2SC5868(QR)-TLB
IC5505 RNB4580F
R5299 1k
C5193 CH 100p/50
Q5517 2SC5868(QR)-TLB
C5194 ZL 10u/50
C5190 0.1u/25
D5100 HZU5R1(B1)
V+3R3D
V+5D
+3.3D
+5D
C5107 0.1u/50
C5105 47u/25
C5106 0.1u/50
C5104 47u/25
CN5001 VKN1424-A
20 V+3R3D
19 V+5D
18 GNDD
17 MCLK
16 GNDD
15 BCK
14 GNDD
13 LRCK
12 GNDD
11 RESET
10 ATT_1
CN1105
7J ATT_1
NM
R5633
R5634
R5604 0
IC5006 NM
C5014 NM
R5018 NM
GNDD
STBY
IC5001 TC7SH08FUS1
C5009 0.1u/25
R5008 100
5D MCLK_M
IC5002 TC7SH08FUS1
C5010 0.1u/25
R5009 22
2:2E;4:2C MCLK_BR
M 2/4,4/4
INB INA OUTY
①
L+
L-
R+
R-
R5567 1.5k RN
R5568 1.5k RN
R5575 8.2k RN
R5576 8.2k RN
C5027 QCH 5600p/50
R5023 1.3k RN
R5024 1.3k RN
R5031 8.2k RN
R5038 8.2k RN
C5100 CH 1200p/50
R5036 1.1k RN
R5037 1.1k RN
C5031 CH 180p/50
R5599 330k (D)
C5035 2700p/50
R5049 180
R5054 2.2k RN
R5060 2.2k RN
Q5512 HN1C01FU(YGR)
Q5006 2SK3320(BL)
D5405 HZU3R0(B1)
C5543 0.47u/10
IC5011 NJM4580
C5043 0.1u/50
C5044 330u/25 ZL
C5048 330u/25 ZL
C5045 0.1u/50
V+15AICP
V-15AICP
C5039 CH 180p/50
R5569 1.5k RN
R5570 1.5k RN
R5577 8.2k RN
R5578 8.2k RN
C5028 QCH 5600p/50
R5025 1.3k RN
R5026 1.3k RN
R5032 8.2k RN
R5041 8.2k RN
C5101 CH 1200p/50
R5039 1.1k RN
R5040 1.1k RN
C5032 CH 180p/50
R5600 330k (D)
C5036 2700p/50
R5050 180
R5055 2.2k RN
R5061 2.2k RN
Q5513 HN1C01FU(YGR)
Q5007 2SK3320(BL)
D5406 HZU3R0(B1)
C5544 0.47u/10
C5040 180p/50 CH
R5571 1.5k RN
R5572 1.5k RN
R5579 8.2k RN
R5580 8.2k RN
C5029 QCH 5600p/50
R5027 1.3k RN
R5028 1.3k RN
R5033 8.2k RN
R5044 8.2k RN
C5102 CH 1200p/50
R5042 1.1k RN
R5043 1.1k RN
C5033 CH 180p/50
R5601 330k (D)
C5037 2700p/50
R5051 180
R5056 2.2k RN
R5062 2.2k RN
Q5514 HN1C01FU(YGR)
Q5008 2SK3320(BL)
D5408 HZU3R0(B1)
C5546 0.47u/10
C5046 0.1u/50
C5047 0.1u/50
C5041 180p/50 CH

A

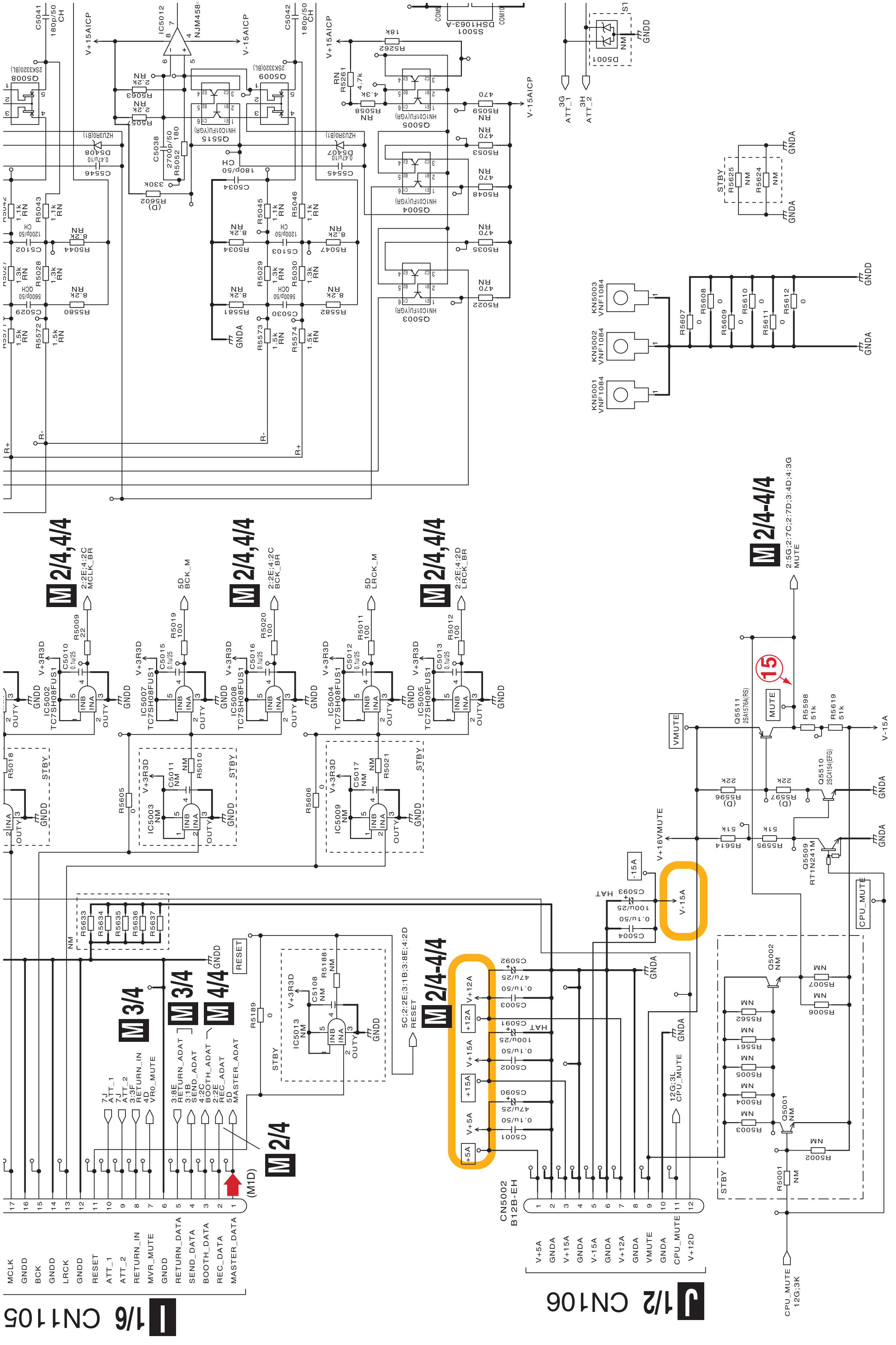
B

C

D

E

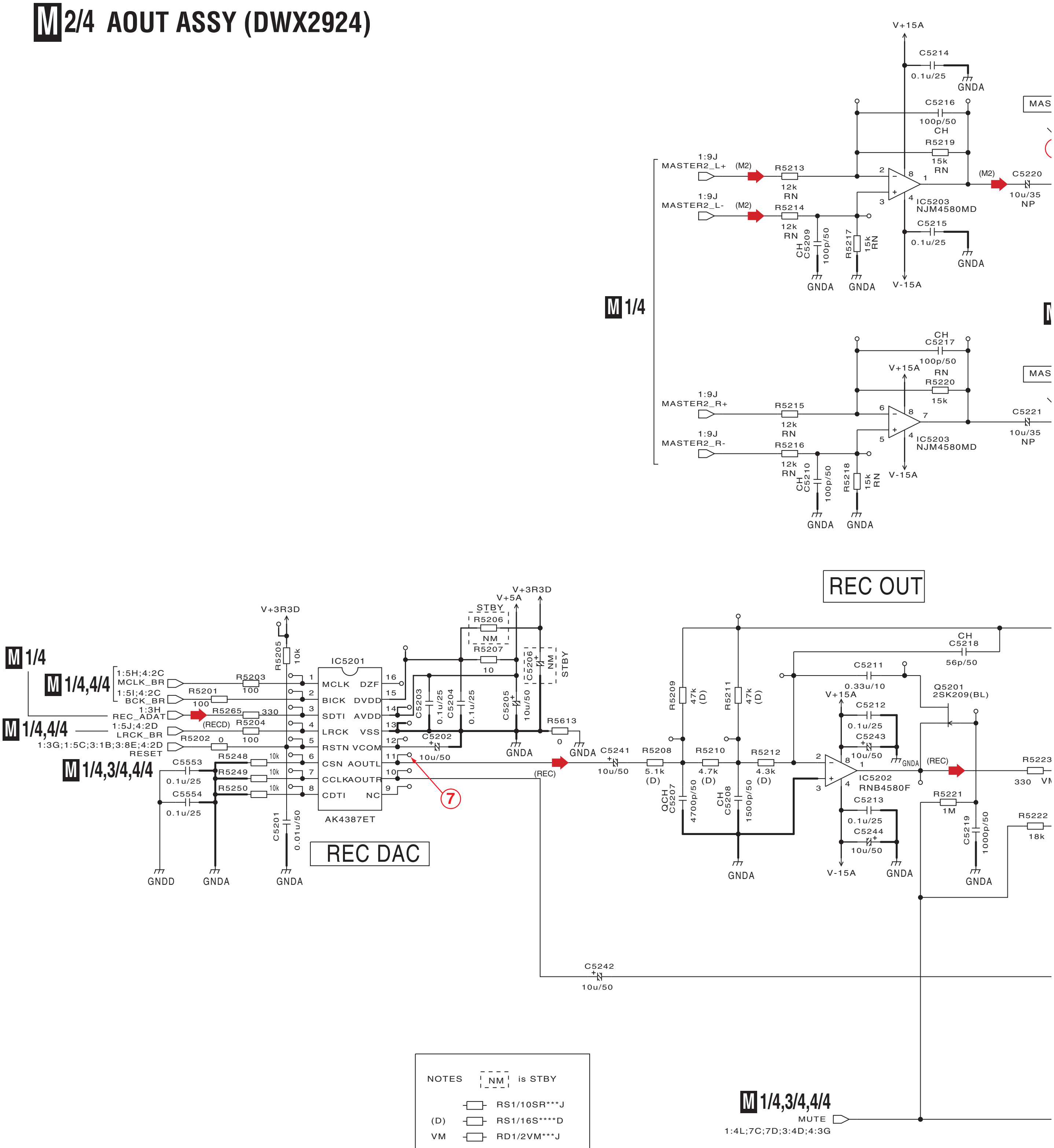
F



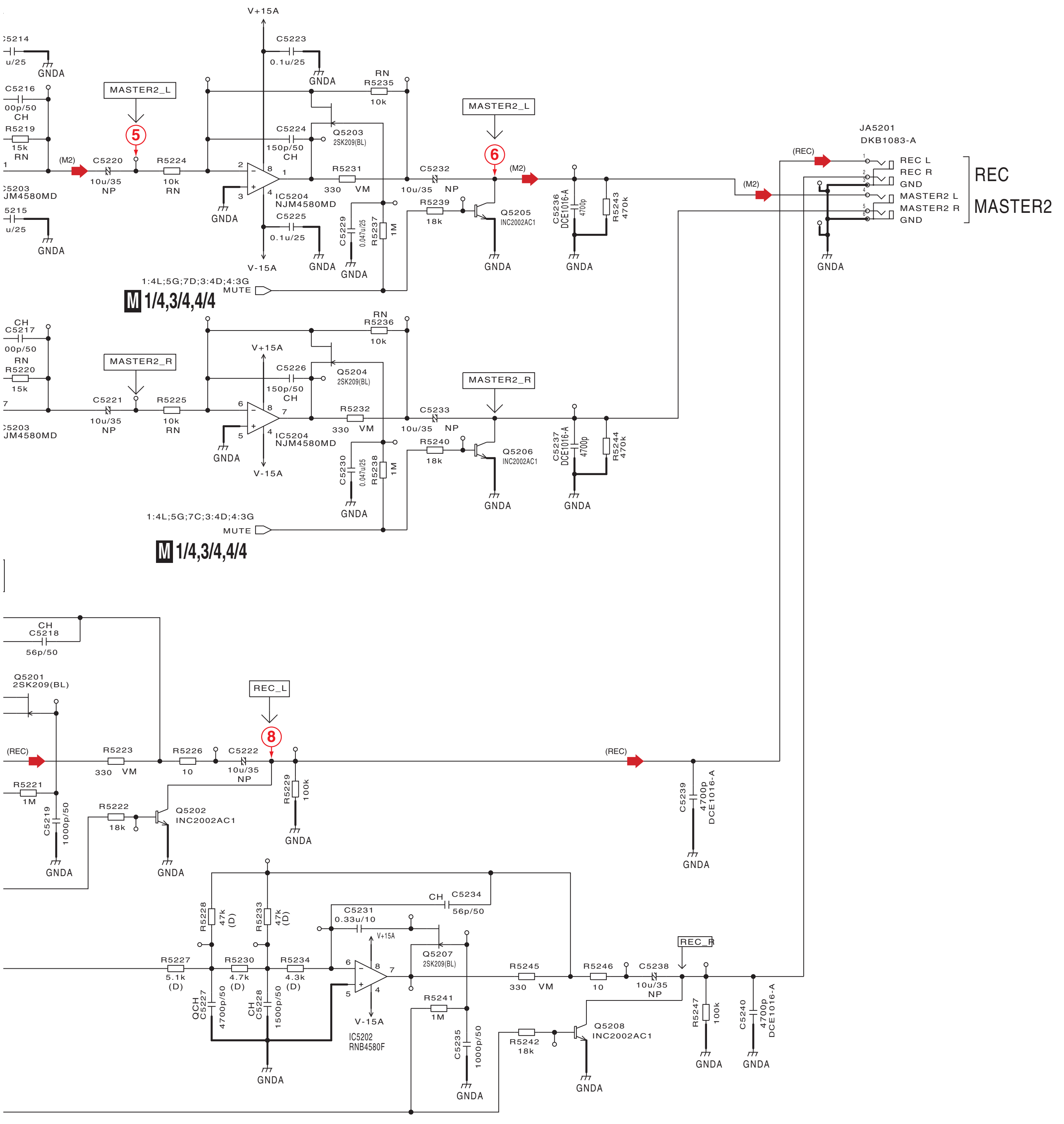
CN1105
I 1/6
MCLK
GNDD
BCK
GNDD
LRCK
GNDD
RESET
ATT_1
ATT_2
RETURN_IN
MVR_MUTE
GNDD
RETURN_DATA
SEND_DATA
BOOTH_DATA
REC_DATA
MASTER_DATA
(M1D)
M 2/4
M 3/4
M 4/4
M 2/4,4/4
M 2/4-4/4
2:2E;4:2C MCLK_BR
5D BCK_M
2:2E;4:2C BCK_BR
5D LRCK_M
2:2E;4:2D LRCK_BR
2:5G;2:7C;2:7D;3:4D;4:3G MUTE
5C;2:2E;3:1B;3:8E;4:2D RESET
IC5002 TC7SH08FUS1
IC5007 TC7SH08FUS1
IC5008 TC7SH08FUS1
IC5004 TC7SH08FUS1
IC5005 TC7SH08FUS1
IC5003 NM
IC5009 NM
IC5013 NM
IC5012 NJM4580
Q5003 HN1C01FU(YGR)
Q5004 HN1C01FU(YGR)
Q5005 HN1C01FU(YGR)
Q5515 HN1C01FU(YGR)
Q5008 2SK3320(BL)
Q5009 2SK3320(BL)
D5407 HZU5R0(B1)
D5408 HZU5R0(B1)
KN5001 VNF1084
KN5002 VNF1084
KN5003 VNF1084
SS5001 DSH1063-A
DS5001
Q5511 2SA1576A(RS)
Q5510 2SC4154(EFG)
Q5509 RT1N241M
Q5001 NM
Q5002 NM
MUTE
VMUTE
CPU_MUTE
CPU_MUTE 12G;3K
V+16VMUTE
V-15A
STBY
ATT_1 3G
ATT_2 3H
V+15AICP
V-15AICP
CN5002 B12B-EH
CN1106
J 1/2
V+5A
GNDA
V+15A
GNDA
V-15A
GNDA
V+12A
GNDA
VMUTE
GNDA
CPU_MUTE
V+12D
+5A
+15A
+12A
-15A
15

A-a A-b

M 2/4 AOUT ASSY (DWX2924)


V+15A
C5214
0.1u/25
GNDA
C5216
100p/50
CH
R5219
15k
RN
MAS
1:9J
MASTER2_L+
(M2)
R5213
12k
RN
2
8
1
(M2)
C5220
10u/35
NP
1:9J
MASTER2_L-
(M2)
R5214
12k
RN
3
4
IC5203
NJM4580MD
C5215
0.1u/25
GNDA
CH
C5209
100p/50
R5217
15k
RN
GNDA
GNDA
V-15A
M 1/4
CH
C5217
100p/50
RN
V+15A
R5220
15k
MAS
1:9J
MASTER2_R+
R5215
12k
RN
6
8
7
C5221
10u/35
NP
1:9J
MASTER2_R-
R5216
12k
RN
5
4
IC5203
NJM4580MD
V-15A
CH
C5210
100p/50
R5218
15k
RN
GNDA
GNDA
REC OUT
V+3R3D
V+5A
V+3R3D
STBY
R5206
NM
R5207
10
C5206
NM
STBY
R5205
10k
IC5201
M 1/4
M 1/4,4/4
1:5H;4:2C
MCLK_BR
1:5I;4:2C
BCK_BR
1:3H
REC_ADAT
M 1/4,4/4
1:5J;4:2D
LRCK_BR
1:3G;1:5C;3:1B;3:8E;4:2D
RESET
M 1/4,3/4,4/4
R5203
100
R5201
100
R5265
330
(RECD)
R5204
100
R5202
0
100
C5553
0.1u/25
C5554
0.1u/25
R5248
10k
R5249
10k
R5250
10k
1
2
3
4
5
6
7
8
MCLK DZF
BICK DVDD
SDTI AVDD
LRCK VSS
RSTN VCOM
CSN AOUTL
CCLKAOUTR
CDTI NC
16
15
14
13
12
11
10
9
AK4387ET
C5201
0.01u/50
C5203
0.1u/25
C5204
0.1u/25
C5205
10u/50
C5202
10u/50
R5613
0
GNDA
GNDA
(REC)
⑦
REC DAC
GNDD
GNDA
GNDA
C5241
10u/50
R5208
5.1k
(D)
R5209
47k
(D)
QCH
C5207
4700p/50
R5210
4.7k
(D)
R5211
47k
(D)
CH
C5208
1500p/50
R5212
4.3k
(D)
GNDA
CH
C5218
56p/50
C5211
0.33u/10
V+15A
C5212
0.1u/25
C5243
10u/50
GNDA
2
8
1
3
4
IC5202
RNB4580F
C5213
0.1u/25
C5244
10u/50
V-15A
GNDA
Q5201
2SK209(BL)
(REC)
R5223
330
VM
R5221
1M
C5219
1000p/50
GNDA
R5222
18k
C5242
10u/50
M 1/4,3/4,4/4
MUTE
1:4L;7C;7D;3:4D;4:3G

NOTES	NM (dashed box)	is STBY
	▭	RS1/10SR***J
(D)	▭	RS1/16S****D
VM	▭	RD1/2VM***J
RN	▭	RN1/16SE****D
	⊣⊢	CKSRYB
CH	⊣⊢	CCSRCH
QCH	⊣⊢	CCSQCH
	⊣⊢+	CEAT
NP	⊣⊢	CEANP


A
B
C
D
E
V+15A
C5214
u/25
GNDA
C5223
0.1u/25
GNDA
RN
R5235
10k
C5216
00p/50
CH
MASTER2_L
5
C5219
15k
RN
(M2)
C5220
10u/35
NP
R5224
10k
RN
C5224
150p/50
CH
Q5203
2SK209(BL)
R5231
330 VM
C5232
10u/35 NP
MASTER2_L
6
(M2)
C5203
JM4580MD
IC5204
NJM4580MD
C5225
0.1u/25
5215
u/25
GNDA
R5239
18k
Q5205
INC2002AC1
C5236
DCE1016-A
4700p
R5243
470k
C5229
0.047u/25
R5237
1M
V-15A
GNDA
GNDA
GNDA
GNDA
1:4L;5G;7D;3:4D;4:3G
MUTE
M 1/4,3/4,4/4
JA5201
DKB1083-A
(REC)
(M2)
REC L
REC R
GND
MASTER2 L
MASTER2 R
GND
REC
MASTER2
GNDA
CH
C5217
00p/50
RN
R5220
15k
MASTER2_R
V+15A
RN
R5236
10k
C5226
150p/50
CH
Q5204
2SK209(BL)
C5221
10u/35
NP
R5225
10k
RN
R5232
330 VM
C5233
10u/35 NP
MASTER2_R
C5203
JM4580MD
IC5204
NJM4580MD
R5240
18k
Q5206
INC2002AC1
C5237
DCE1016-A
4700p
R5244
470k
C5230
0.047u/25
R5238
1M
GNDA
V-15A
GNDA
GNDA
GNDA
1:4L;5G;7C;3:4D;4:3G
MUTE
M 1/4,3/4,4/4
CH
C5218
56p/50
Q5201
2SK209(BL)
REC_L
8
(REC)
R5223
330 VM
R5226
10
C5222
10u/35
NP
R5229
100k
(REC)
C5239
4700p
DCE1016-A
R5221
1M
C5219
1000p/50
R5222
18k
Q5202
INC2002AC1
GNDA
GNDA
GNDA
GNDA
CH C5234
56p/50
C5231
0.33u/10
V+15A
R5228
47k
(D)
R5233
47k
(D)
Q5207
2SK209(BL)
REC_R
R5227
5.1k
(D)
R5230
4.7k
(D)
R5234
4.3k
(D)
R5245
330 VM
R5246
10
C5238
10u/35
NP
QCH
C5227
4700p/50
CH
C5228
1500p/50
V-15A
IC5202
RNB4580F
R5241
1M
R5247
100k
C5240
4700p
DCE1016-A
C5235
1000p/50
R5242
18k
Q5208
INC2002AC1
GNDA
GNDA
GNDA
GNDA
GNDA

Audio Signal Route

(M2) 🡆 : MASTER2 Signal (L CH)

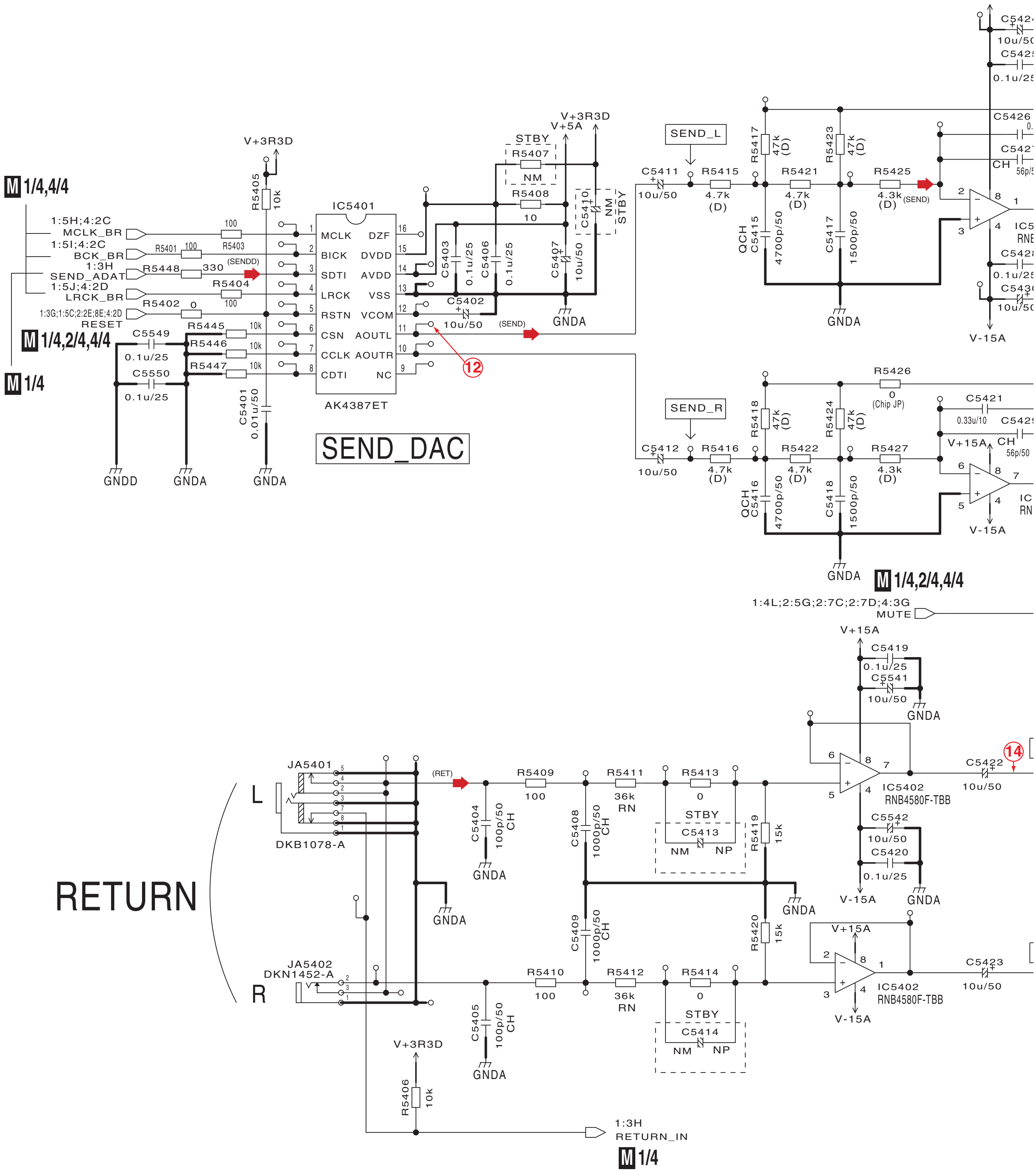
(REC) 🡆 : REC Signal (L CH)

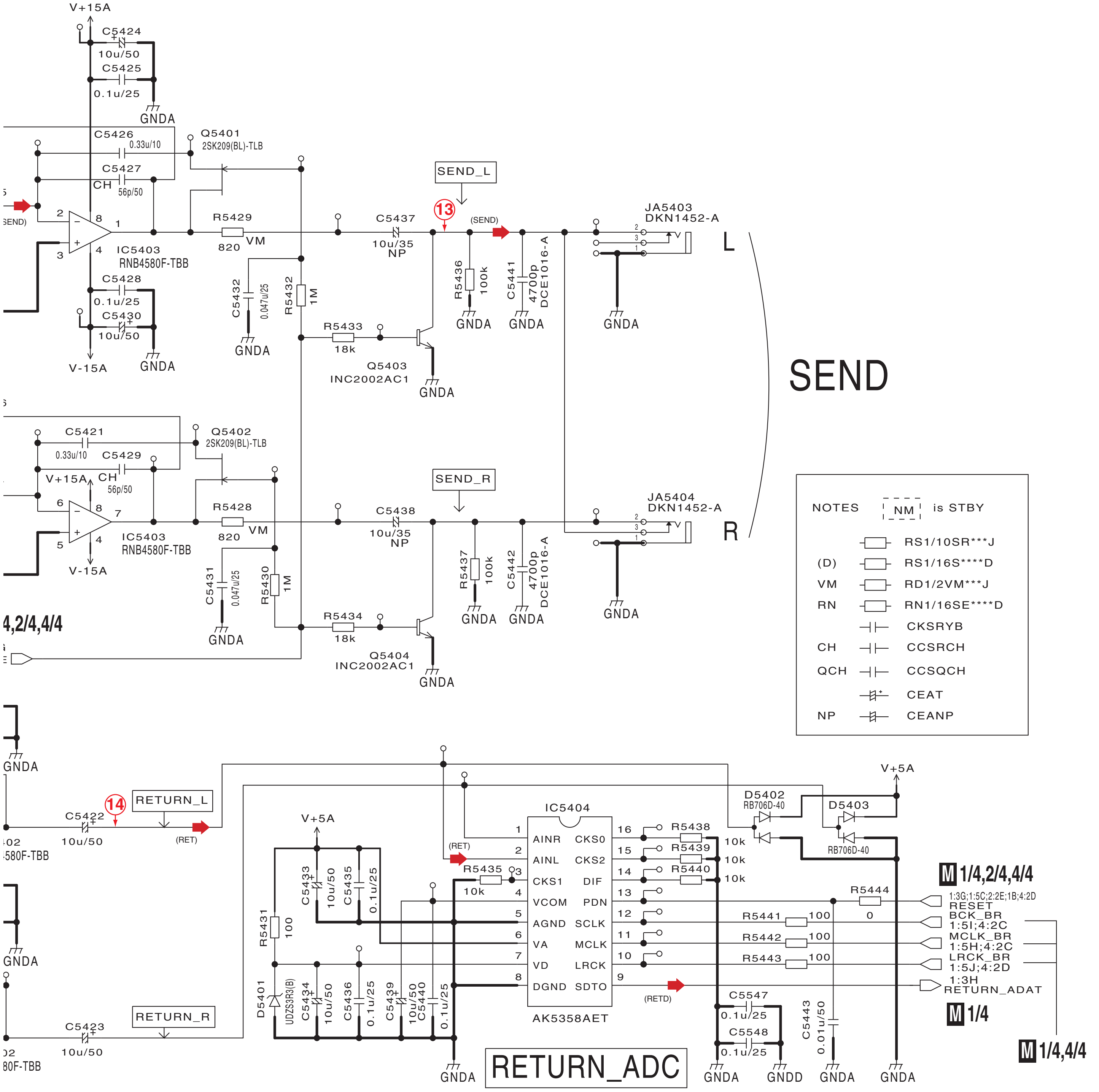
(RECD) 🡆 : REC Data Signal

MASTER2 / REC

10.20 AOUT ASSY (3/4)

M 3/4 AOUT ASSY (DWX2924)


M 1/4,4/4
1:5H;4:2C
MCLK_BR
1:5I;4:2C
BCK_BR
1:3H
SEND_ADAT
1:5J;4:2D
LRCK_BR
1:3G;1:5C;2:2E;8E;4:2D
RESET
M 1/4,2/4,4/4
M 1/4
R5401 100
R5403 100
R5448 330
(SENDD)
R5404 100
R5402 0
R5445 10k
R5446 10k
R5447 10k
C5549 0.1u/25
C5550 0.1u/25
V+3R3D
R5405 10k
C5401 0.01u/50
IC5401
MCLK DZF
BICK DVDD
SDTI AVDD
LRCK VSS
RSTN VCOM
CSN AOUTL
CCLK AOUTR
CDTI NC
AK4387ET
SEND_DAC
GNDD
GNDA
STBY
R5407
NM
R5408 10
V+3R3D
V+5A
C5403 0.1u/25
C5406 0.1u/25
C5407 10u/50
C5410 NM STBY
C5402 10u/50
(SEND)
12
SEND_L
C5411 10u/50
R5415 4.7k (D)
R5417 47k (D)
R5421 4.7k (D)
R5423 47k (D)
R5425 4.3k (D)
(SEND)
QCH C5415 4700p/50
C5417 1500p/50
V+15A
C5424 10u/50
C5425 0.1u/25
C5426
C5427 CH 56p/50
C5428 0.1u/25
C5430 10u/50
IC5
RNE
V-15A
SEND_R
R5426 0 (Chip JP)
C5412 10u/50
R5416 4.7k (D)
R5418 47k (D)
R5422 4.7k (D)
R5424 47k (D)
R5427 4.3k (D)
QCH C5416 4700p/50
C5418 1500p/50
C5421 0.33u/10
C5429 CH 56p/50
V+15A
V-15A
M 1/4,2/4,4/4
1:4L;2:5G;2:7C;2:7D;4:3G
MUTE
V+15A
C5419 0.1u/25
C5541 10u/50
GNDA
JA5401
DKB1078-A
L
(RET)
R5409 100
C5404 100p/50 CH
R5411 36k RN
R5413 0
STBY
C5413 NM NP
C5408 1000p/50 CH
R5419 15k
IC5402 RNB4580F-TBB
C5422 10u/50
14
C5542 10u/50
C5420 0.1u/25
V-15A
RETURN
C5409 1000p/50 CH
R5420 15k
V+15A
JA5402
DKN1452-A
R
R5410 100
R5412 36k RN
R5414 0
STBY
C5414 NM NP
C5405 100p/50 CH
IC5402 RNB4580F-TBB
C5423 10u/50
V-15A
V+3R3D
R5406 10k
1:3H
RETURN_IN
M 1/4


A
B
C
D
E
V+15A
C5424
10u/50
C5425
0.1u/25
GNDA
C5426
0.33u/10
Q5401
2SK209(BL)-TLB
C5427
CH
56p/50
SEND_L
13
(SEND)
R5429
820
VM
C5437
10u/35
NP
JA5403
DKN1452-A
L
IC5403
RNB4580F-TBB
C5428
0.1u/25
C5430
10u/50
V-15A
C5432
0.047u/25
R5432
1M
R5433
18k
Q5403
INC2002AC1
R5436
100k
C5441
4700p
DCE1016-A
SEND
C5421
0.33u/10
Q5402
2SK209(BL)-TLB
C5429
CH
56p/50
SEND_R
R5428
820
VM
C5438
10u/35
NP
JA5404
DKN1452-A
R
C5431
0.047u/25
R5430
1M
R5434
18k
Q5404
INC2002AC1
R5437
100k
C5442
4700p
DCE1016-A
4,2/4,4/4
NOTES
NM is STBY
RS1/10SR***J
(D) RS1/16S****D
VM RD1/2VM***J
RN RN1/16SE****D
CKSRYB
CH CCSRCH
QCH CCSQCH
CEAT
NP CEANP
14
RETURN_L
C5422
10u/50
(RET)
580F-TBB
RETURN_R
C5423
10u/50
80F-TBB
V+5A
C5433
10u/50
C5435
0.1u/25
R5431
100
D5401
UDZS3R3(B)
C5434
10u/50
C5436
0.1u/25
C5439
10u/50
C5440
0.1u/25
IC5404
AK5358AET
AINR CKS0
AINL CKS2
CKS1 DIF
VCOM PDN
AGND SCLK
VA MCLK
VD LRCK
DGND SDTO
R5435
10k
R5438
10k
R5439
10k
R5440
10k
D5402
RB706D-40
D5403
RB706D-40
R5444
0
R5441
100
R5442
100
R5443
100
(RETD)
C5547
0.1u/25
C5548
0.1u/25
C5443
0.01u/50
GNDD
RETURN_ADC
1/4,2/4,4/4
1:3G;1:5C;2:2E;1B;4:2D
RESET
BCK_BR
1:5I;4:2C
MCLK_BR
1:5H;4:2C
LRCK_BR
1:5J;4:2D
1:3H
RETURN_ADAT
M 1/4
M 1/4,4/4

Audio Signal Route

(SEND) : SEND Signal (L CH)

(RET) : RETURN Signal (L CH)

(SENDD) : SEND Data Signal

(RETD) : RETURN Data Signal

SEND/RETURN

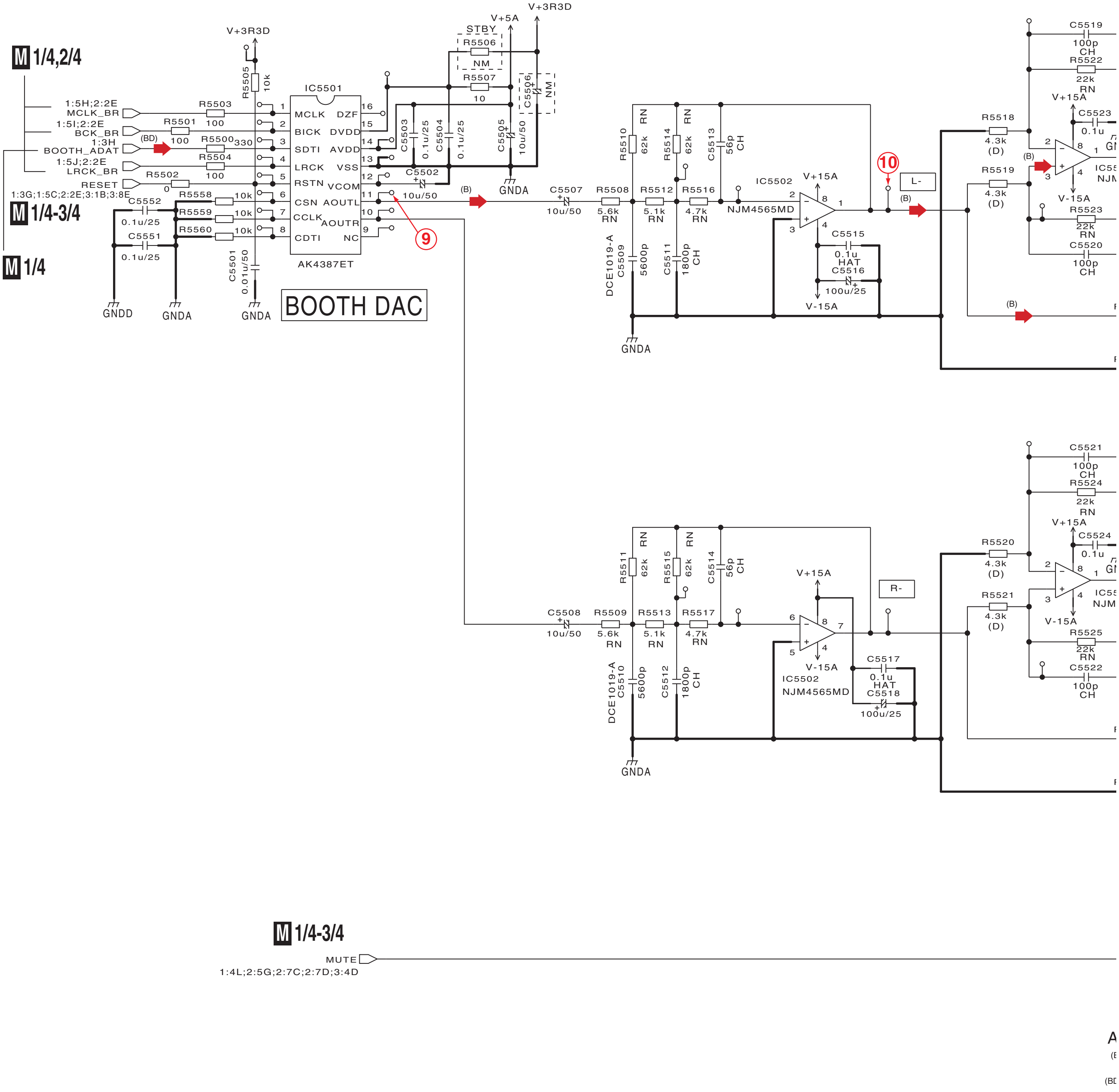
M 3/4

10.21 AOUT ASSY (4/4)

A

M 4/4 AOUT ASSY (DWX2924)

B


M 1/4,2/4
1:5H;2:2E
MCLK_BR
1:5I;2:2E
BCK_BR
1:3H
BOOTH_ADAT
1:5J;2:2E
LRCK_BR
RESET
1:3G;1:5C;2:2E;3:1B;3:8E
M 1/4-3/4
M 1/4
(BD)
R5503
100
R5501
100
R5500
330
R5504
100
R5502
0
R5558
10k
R5559
10k
R5560
10k
C5552
0.1u/25
C5551
0.1u/25
GNDD
GNDA
V+3R3D
R5505
10k
C5501
0.01u/50
GNDA
IC5501
MCLK
BICK
SDTI
LRCK
RSTN
CSN
CCLK
CDTI
DZF
DVDD
AVDD
VSS
VCOM
AOUTL
AOUTR
NC
AK4387ET
BOOTH DAC
STBY
R5506
NM
R5507
10
V+5A
V+3R3D
C5506
NM
C5503
0.1u/25
C5504
0.1u/25
C5505
10u/50
C5502
10u/50
GNDA
(B)
9
C5507
10u/50
R5508
5.6k
RN
R5510
62k
RN
R5512
5.1k
RN
R5514
62k
RN
R5516
4.7k
RN
C5513
56p
CH
DCE1019-A
C5509
5600p
C5511
1800p
CH
GNDA
IC5502
NJM4565MD
V+15A
V-15A
C5515
0.1u
HAT
C5516
100u/25
10
L-
(B)
R5518
4.3k
(D)
R5519
4.3k
(D)
C5519
100p
CH
R5522
22k
RN
V+15A
C5523
0.1u
R5523
22k
RN
C5520
100p
CH
V-15A
IC55
NJM
(B)
C5508
10u/50
R5509
5.6k
RN
R5511
62k
RN
R5513
5.1k
RN
R5515
62k
RN
R5517
4.7k
RN
C5514
56p
CH
DCE1019-A
C5510
5600p
C5512
1800p
CH
GNDA
V+15A
V-15A
IC5502
NJM4565MD
C5517
0.1u
HAT
C5518
100u/25
R-
R5520
4.3k
(D)
R5521
4.3k
(D)
C5521
100p
CH
R5524
22k
RN
V+15A
C5524
0.1u
IC55
NJM
V-15A
R5525
22k
RN
C5522
100p
CH
M 1/4-3/4
MUTE
1:4L;2:5G;2:7C;2:7D;3:4D

C

D

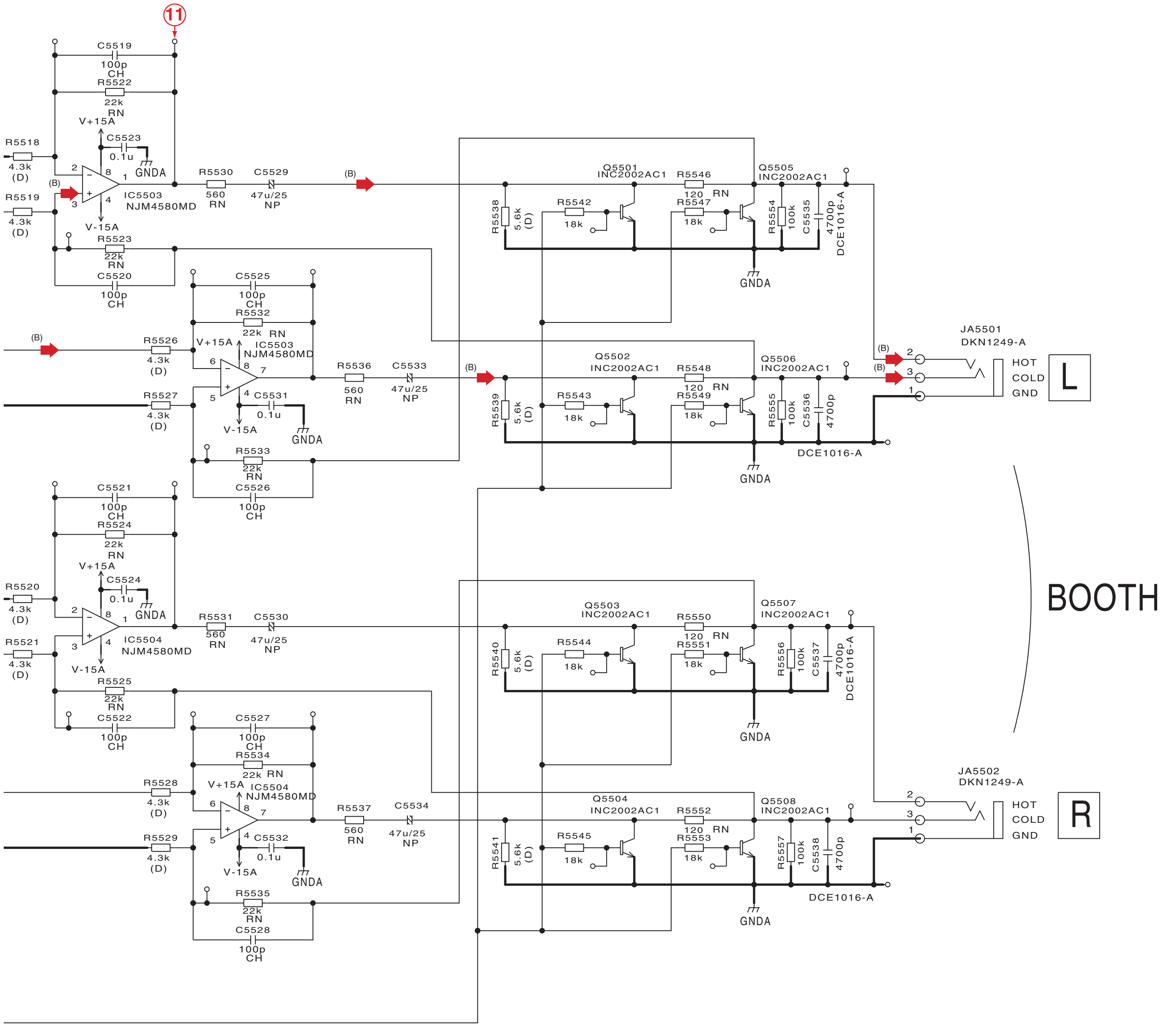
E

F

M 4/4

NOTES NM is STBY

	RS1/10SR***J
(D)	RS1/16S****D
RN	RN1/16SE****D
	CKSRYB
CH	CCSRCH
	CEAT
NP	CEANP



⑪
C5519 100p CH
R5522 22k RN
V+15A
C5523 0.1u
GNDA
R5518 4.3k (D)
R5519 4.3k (D)
(B)
IC5503 NJM4580MD
V-15A
R5523 22k RN
C5520 100p CH
R5530 560 RN
C5529 47u/25 NP
Q5501 INC2002AC1
R5546 120 RN
R5547 18k
R5542 18k
R5538 5.6k (D)
Q5505 INC2002AC1
R5554 100k
C5535 4700p
DCE1016-A
GNDA
C5525 100p CH
R5532 22k RN
R5526 4.3k (D)
R5527 4.3k (D)
C5531 0.1u
R5536 560 RN
C5533 47u/25 NP
Q5502 INC2002AC1
R5548 120 RN
R5549 18k
R5543 18k
R5539 5.6k (D)
Q5506 INC2002AC1
R5555 100k
C5536 4700p
DCE1016-A
R5533 22k RN
C5526 100p CH
JA5501 DKN1249-A
HOT
COLD
GND
L
BOOTH
C5521 100p CH
R5524 22k RN
C5524 0.1u
R5520 4.3k (D)
R5521 4.3k (D)
IC5504 NJM4580MD
R5525 22k RN
C5522 100p CH
R5531 560 RN
C5530 47u/25 NP
Q5503 INC2002AC1
R5550 120 RN
R5551 18k
R5544 18k
R5540 5.6k (D)
Q5507 INC2002AC1
R5556 100k
C5537 4700p
DCE1016-A
C5527 100p CH
R5534 22k RN
R5528 4.3k (D)
R5529 4.3k (D)
C5532 0.1u
R5537 560 RN
C5534 47u/25 NP
Q5504 INC2002AC1
R5552 120 RN
R5553 18k
R5545 18k
R5541 5.6k (D)
Q5508 INC2002AC1
R5557 100k
C5538 4700p
DCE1016-A
R5535 22k RN
C5528 100p CH
JA5502 DKN1249-A
HOT
COLD
GND
R

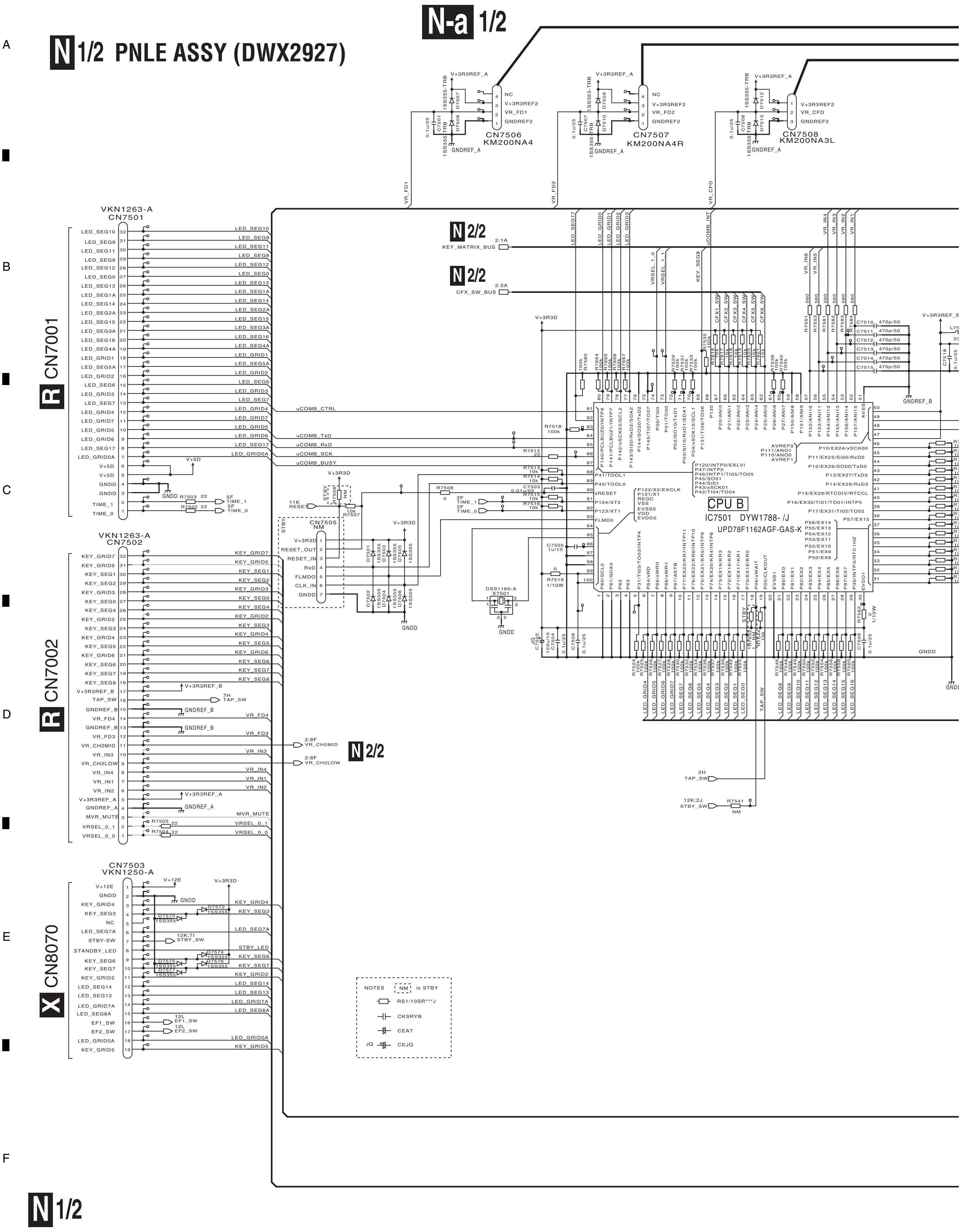
Audio Signal Route

(B) : BOOTH Signal (L CH)

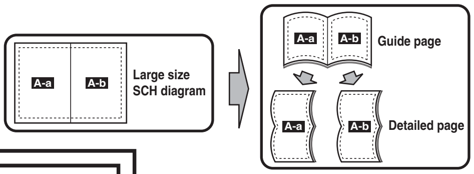
(BD) : BOOTH Data Signal

BOOTH

10.22 PNLE (1/2), CFD1, CFD2 and CRFD ASSYS


N-a 1/2
N 1/2 PNLE ASSY (DWX2927)
CN7506 KM200NA4
CN7507 KM200NA4R
CN7508 KM200NA3L
V+3R3REF_A
NC
V+3R3REF2
VR_FD1
VR_FD2
VR_CFD
GNDREF2
GNDREF_A
1SS355-TRB
R CN7001
VKN1263-A CN7501
R CN7002
VKN1263-A CN7502
X CN8070
CN7503 VKN1250-A
N 2/2
KEY_MATRIX_BUS
CFX_SW_BUS
CN7505 NM
V+3R3D
RESET_OUT
RESET_IN
RxD
FLMDO
CLK_IN
GNDD
uCOMB_CTRL
uCOMB_TxD
uCOMB_RxD
uCOMB_SCK
uCOMB_BUSY
TIME_1
TIME_0
RESET
TAP_SW
STBY_SW
VR_CH2MID
VR_CH2LOW
DSS1180-A X7501
CPU B
IC7501 DYW1788- /J
UPD78F1162AGF-GAS-K
GNDREF_B
V+3R3REF_B
V+5D
MVR_MUTE
VRSEL_0_1
VRSEL_0_0
NOTES NM is STBY
RS1/10SR***J
CKSRYB
CEAT
JQ CEJQ
N 1/2
A B C D E F

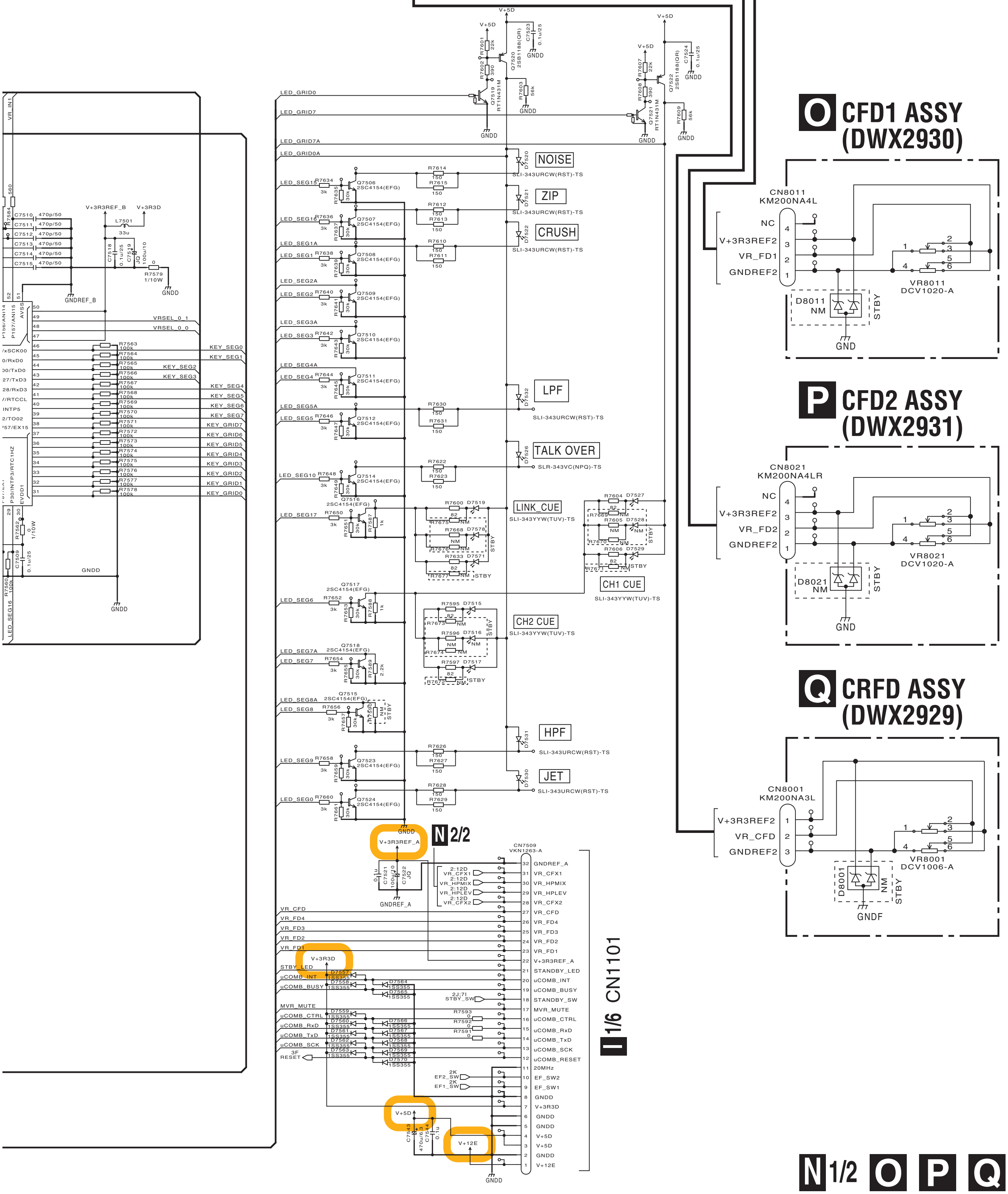
N-b 1/2


A-a
A-b
Large size SCH diagram
Guide page
Detailed page

O CFD1 ASSY (DWX2930)

P CFD2 ASSY (DWX2931)

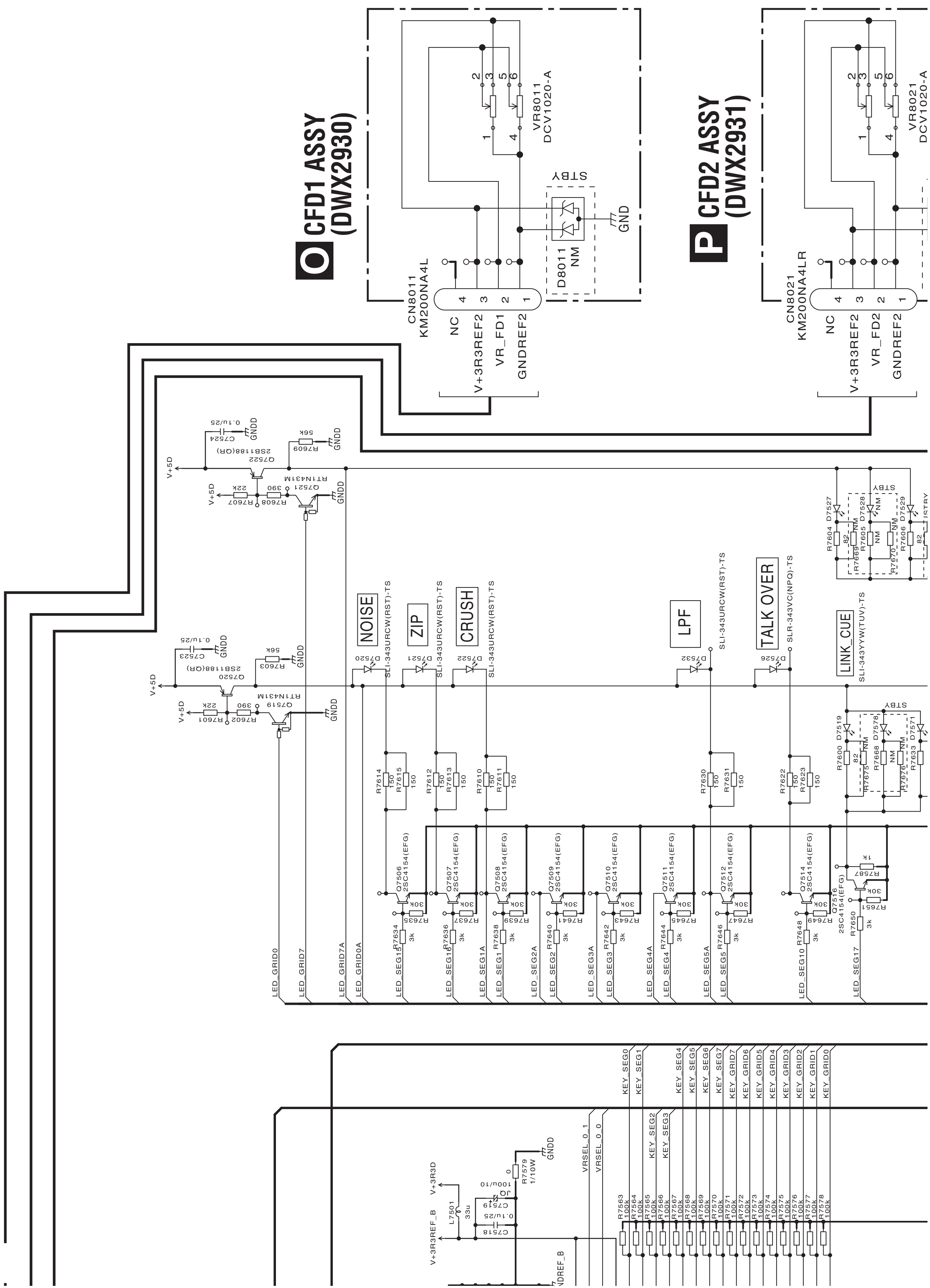
Q CRFD ASSY (DWX2929)

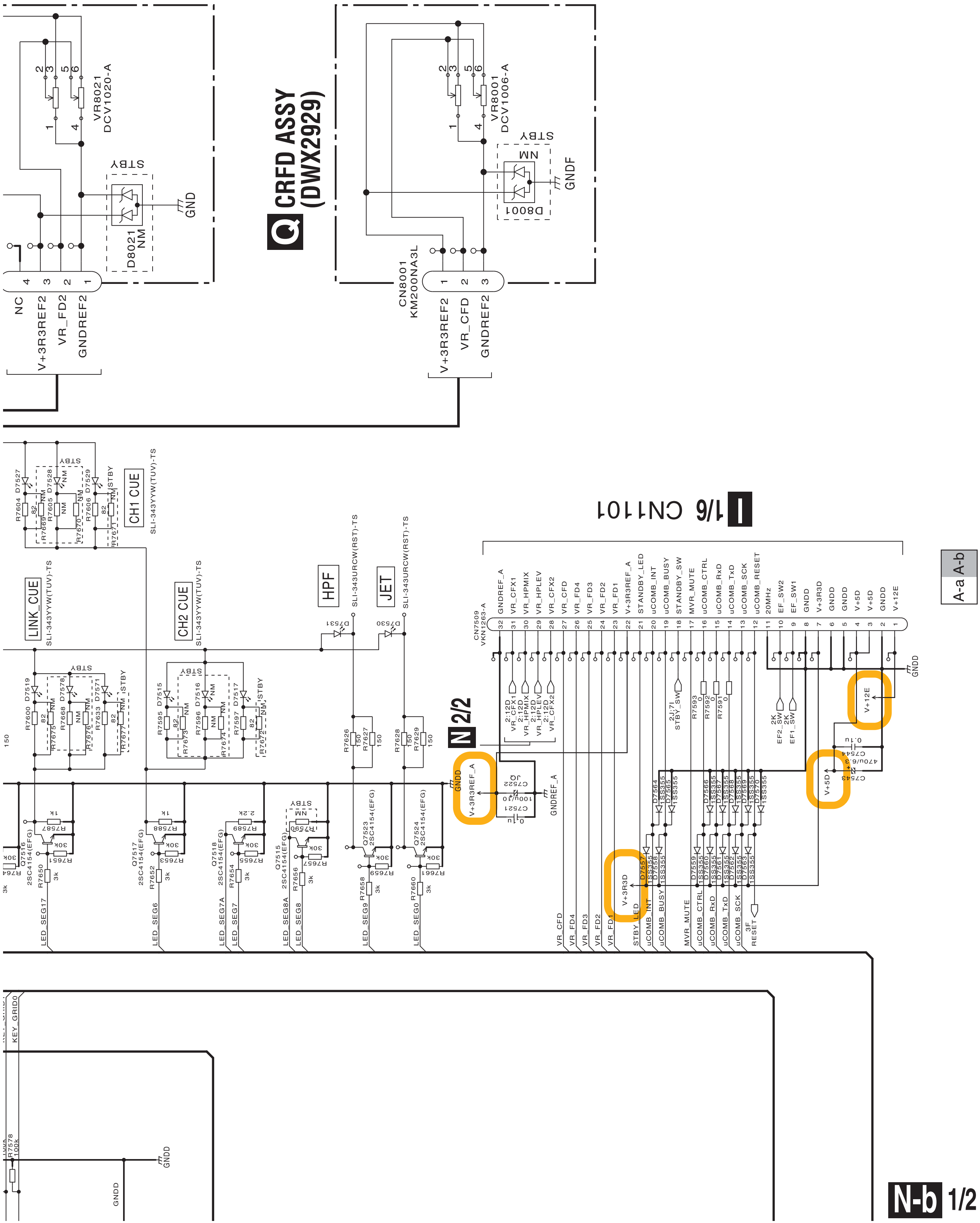

V+5D
R7601 22k
R7602 390
Q7519 RT1N431M
Q7520 2SB1188(QR)
C7523 0.1u/25
R7603 56k
GNDD
R7607 22k
R7608 390
Q7521 RT1N431M
Q7522 2SB1188(QR)
C7524 0.1u/25
R7609 56k
LED_GRID0
LED_GRID7
LED_GRID7A
LED_GRID0A
LED_SEG15
LED_SEG16
LED_SEG1A
LED_SEG1
LED_SEG2A
LED_SEG2
LED_SEG3A
LED_SEG3
LED_SEG4A
LED_SEG4
LED_SEG5A
LED_SEG5
LED_SEG10
LED_SEG17
LED_SEG6
LED_SEG7A
LED_SEG7
LED_SEG8A
LED_SEG8
LED_SEG9
LED_SEG0
Q7506 2SC4154(EFG)
Q7507 2SC4154(EFG)
Q7508 2SC4154(EFG)
Q7509 2SC4154(EFG)
Q7510 2SC4154(EFG)
Q7511 2SC4154(EFG)
Q7512 2SC4154(EFG)
Q7514 2SC4154(EFG)
Q7516 2SC4154(EFG)
Q7517 2SC4154(EFG)
Q7518 2SC4154(EFG)
Q7515 2SC4154(EFG)
Q7523 2SC4154(EFG)
Q7524 2SC4154(EFG)
D7620 NOISE SLI-343URCW(RST)-TS
D7621 ZIP SLI-343URCW(RST)-TS
D7622 CRUSH SLI-343URCW(RST)-TS
D7632 LPF SLI-343URCW(RST)-TS
D7626 TALK OVER SLR-343VC(NPQ)-TS
LINK_CUE SLI-343YYW(TUV)-TS
CH1 CUE SLI-343YYW(TUV)-TS
CH2 CUE SLI-343YYW(TUV)-TS
D7631 HPF SLI-343URCW(RST)-TS
D7630 JET SLI-343URCW(RST)-TS
STBY
NM
VR_IN1
V+3R3REF_B
V+3R3D
L7501 33u
C7510 470p/50
C7511 470p/50
C7512 470p/50
C7513 470p/50
C7514 470p/50
C7515 470p/50
C7518 0.1u/25
C7519 100u/10
R7579 0 1/10W
GNDREF_B
VRSEL_0_1
VRSEL_0_0
KEY_SEG0
KEY_SEG1
KEY_SEG2
KEY_SEG3
KEY_SEG4
KEY_SEG5
KEY_SEG6
KEY_SEG7
KEY_GRID7
KEY_GRID6
KEY_GRID5
KEY_GRID4
KEY_GRID3
KEY_GRID2
KEY_GRID1
KEY_GRID0
R7563–R7578 100k
R7562 0 1/10W
C7509 0.1u/25
R7560 100k
LED_SEG16
GNDD
N 2/2
V+3R3REF_A
C7521 100u/10
C7522 0.1u
GNDREF_A
CN7509 VKN1263-A
32 GNDREF_A
31 VR_CFX1
30 VR_HPMIX
29 VR_HPLEV
28 VR_CFX2
27 VR_CFD
26 VR_FD4
25 VR_FD3
24 VR_FD2
23 VR_FD1
22 V+3R3REF_A
21 STANDBY_LED
20 uCOMB_INT
19 uCOMB_BUSY
18 STANDBY_SW
17 MVR_MUTE
16 uCOMB_CTRL
15 uCOMB_RxD
14 uCOMB_TxD
13 uCOMB_SCK
12 uCOMB_RESET
11 20MHz
10 EF_SW2
9 EF_SW1
8 GNDD
7 V+3R3D
6 GNDD
5 GNDD
4 V+5D
3 V+5D
2 GNDD
1 V+12E
V+3R3D
STBY_LED
uCOMB_INT
uCOMB_BUSY
MVR_MUTE
uCOMB_CTRL
uCOMB_RxD
uCOMB_TxD
uCOMB_SCK
RESET
D7557–D7570 1SS355
STBY_SW
EF2_SW
EF1_SW
V+5D
C7543 470u/6.3
C7544 0.1u
V+12E
I 1/6 CN1101
CN8011 KM200NA4L
NC
V+3R3REF2
VR_FD1
GNDREF2
VR8011 DCV1020-A
D8011 NM
GND
CN8021 KM200NA4LR
VR_FD2
VR8021 DCV1020-A
D8021 NM
CN8001 KM200NA3L
VR_CFD
VR8001 DCV1006-A
D8001 NM
GNDF

N 1/2 O P Q

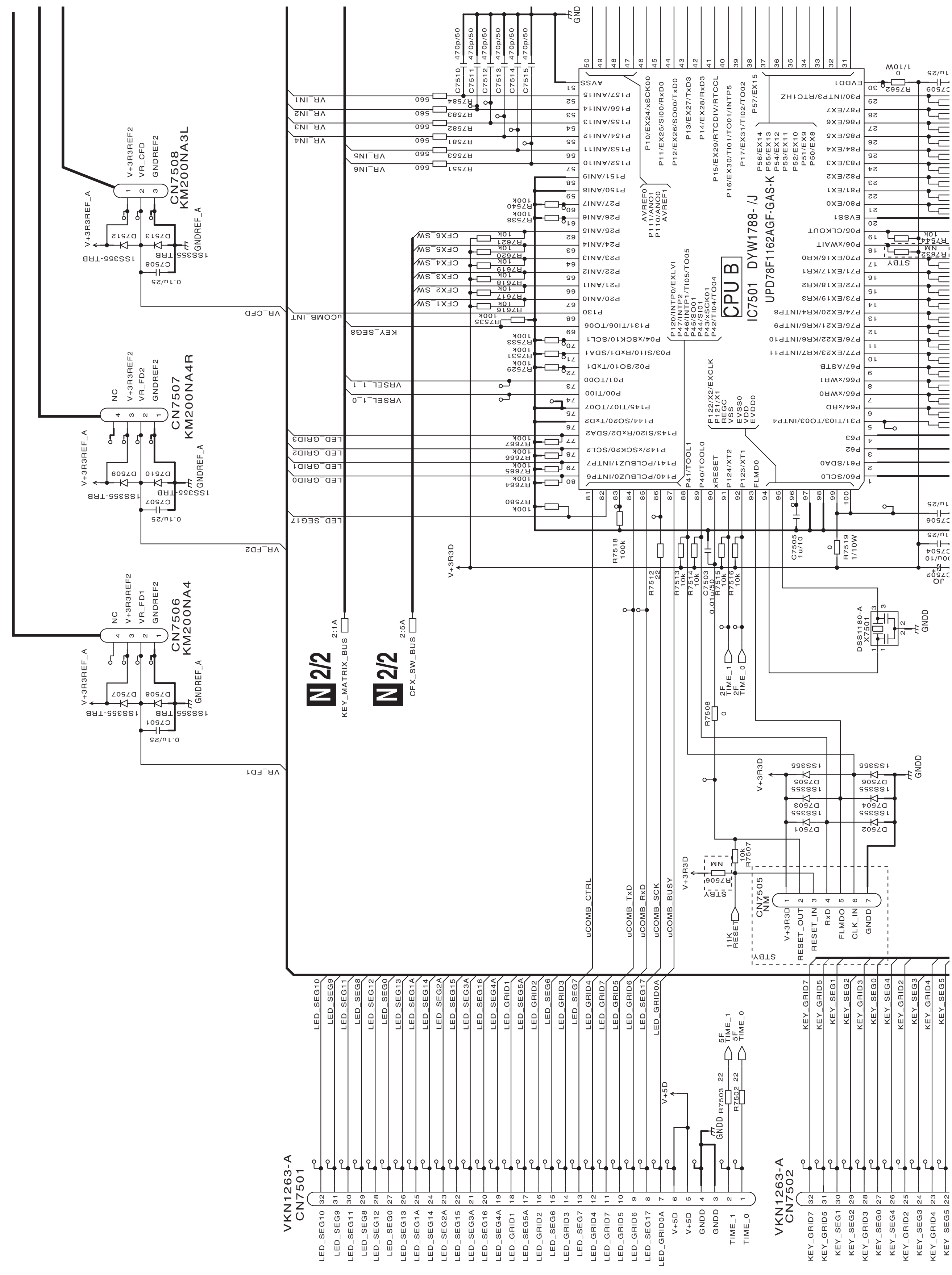
N 1/2 PNLE ASSY (DWX2927)

A-a A-b

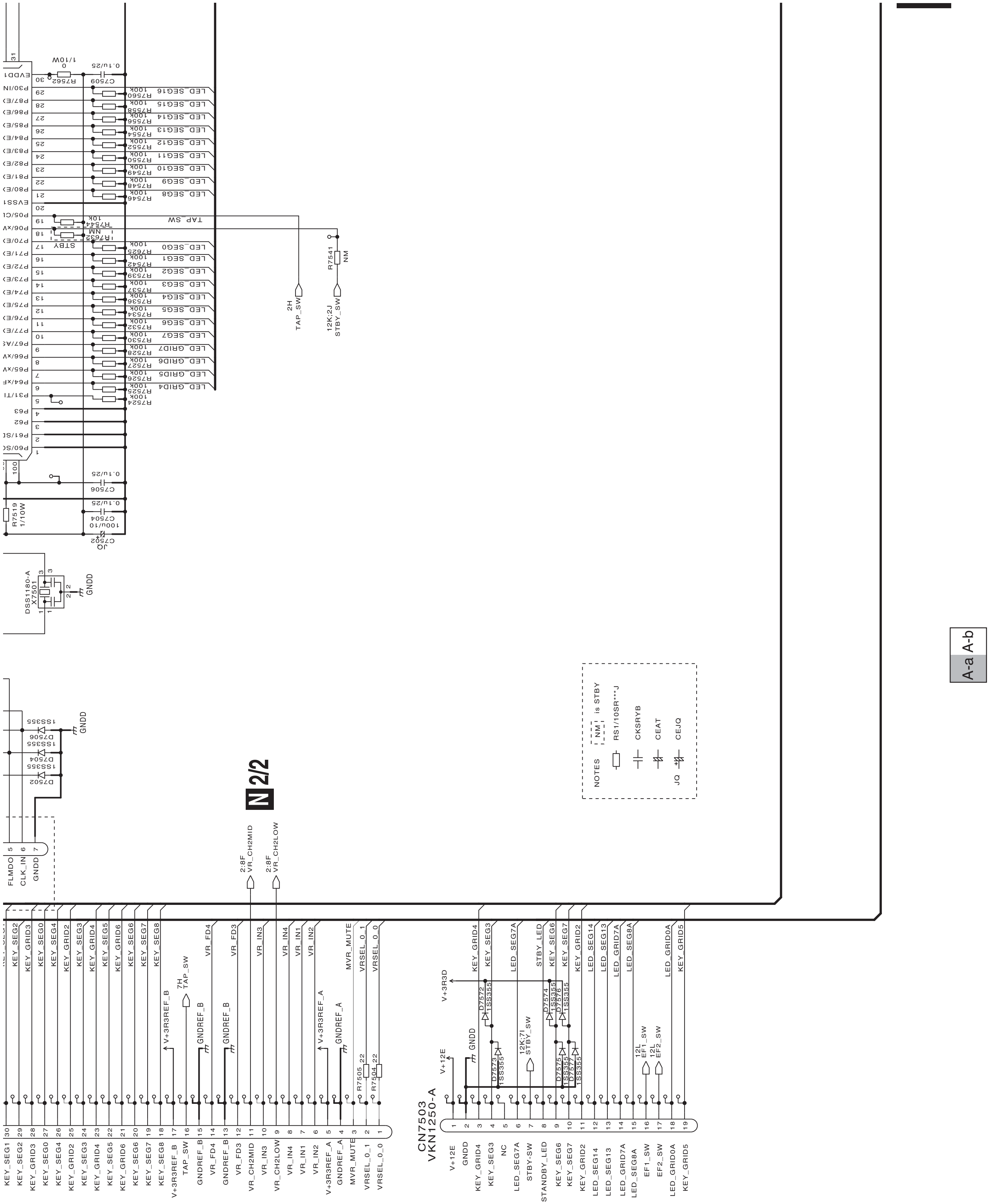

O CFD1 ASSY (DWX2930)
P CFD2 ASSY (DWX2931)
CN8011
KM200NA4L
CN8021
KM200NA4LR
NC
V+3R3REF2
VR_FD1
VR_FD2
GNDREF2
VR8011
DCV1020-A
VR8021
DCV1020-A
D8011
NM
STBY
GND
V+5D
GNDD
C7524
0.1u/25
Q7522
2SB1188(QR)
R7609
56k
Q7521
RT1N431M
R7607
22k
R7608
390
C7523
Q7520
R7603
Q7519
R7601
R7602
NOISE
ZIP
CRUSH
LPF
TALK OVER
LINK_CUE
SLI-343URCW(RST)-TS
SLR-343VC(NPQ)-TS
SLI-343YYW(TUV)-TS
D7520
D7521
D7522
D7532
D7526
D7527
D7528
D7529
D7519
D7578
D7571
R7604
R7605
R7606
R7669
R7670
R7600
R7668
R7633
R7675
R7676
82
NM
R7614
R7615
R7612
R7613
R7610
R7611
R7630
R7631
R7622
R7623
150
Q7506
Q7507
Q7508
Q7509
Q7510
Q7511
Q7512
Q7514
Q7516
2SC4154(EFG)
R7587
1k
R7651
30k
R7650
3k
R7634
R7635
R7636
R7637
R7638
R7639
R7640
R7641
R7642
R7643
R7644
R7645
R7646
R7647
R7648
R7649
LED_GRID0
LED_GRID7
LED_GRID7A
LED_GRID0A
LED_SEG15
LED_SEG16
LED_SEG1A
LED_SEG1
LED_SEG2A
LED_SEG2
LED_SEG3A
LED_SEG3
LED_SEG4A
LED_SEG4
LED_SEG5A
LED_SEG5
LED_SEG10
LED_SEG17
KEY_SEG0
KEY_SEG1
KEY_SEG2
KEY_SEG3
KEY_SEG4
KEY_SEG5
KEY_SEG6
KEY_SEG7
KEY_GRID7
KEY_GRID6
KEY_GRID5
KEY_GRID4
KEY_GRID3
KEY_GRID2
KEY_GRID1
KEY_GRID0
VRSEL_0_1
VRSEL_0_0
R7563
R7564
R7565
R7566
R7567
R7568
R7569
R7570
R7571
R7572
R7573
R7574
R7575
R7576
R7577
R7578
100k
R7579
0
1/10W
C7519
100u/10
C7518
0.1u/25
L7501
33u
V+3R3D
V+3R3REF_B
NDREF_B
A
B
C
D
E
F


Q CRFD ASSY (DWX2929)
VR8021 DCV1020-A
VR8001 DCV1006-A
D8021 NM
D8001
STBY
NM
GND
GNDF
CN8001 KM200NA3L
NC
V+3R3REF2
VR_FD2
GNDREF2
VR_CFD
I 1/6 CN1101
CN7509 VKN1263-A
GNDREF_A
VR_CFX1
VR_HPMIX
VR_HPLEV
VR_CFX2
VR_CFD
VR_FD4
VR_FD3
VR_FD2
VR_FD1
V+3R3REF_A
STANDBY_LED
uCOMB_INT
uCOMB_BUSY
STANDBY_SW
MVR_MUTE
uCOMB_CTRL
uCOMB_RxD
uCOMB_TxD
uCOMB_SCK
uCOMB_RESET
20MHz
EF_SW2
EF_SW1
GNDD
V+3R3D
V+5D
V+12E
N 2/2
GNDREF_A
C7521 0.1u
C7522 100u/10
C7543 470u/6.3
C7544 0.1u
LINK_CUE
CH1 CUE
CH2 CUE
HPF
JET
SLI-343YYW(TUV)-TS
SLI-343URCW(RST)-TS
D7527 D7528 D7529 D7519 D7578 D7571 D7515 D7516 D7517 D7530 D7531
D7557 D7558 D7559 D7560 D7561 D7562 D7563 D7564 D7565 D7566 D7567 D7568 D7569 D7570
1SS355
Q7516 Q7517 Q7518 Q7515 Q7523 Q7524 2SC4154(EFG)
LED_SEG17 LED_SEG6 LED_SEG7A LED_SEG7 LED_SEG8A LED_SEG8 LED_SEG9 LED_SEG0
STBY_LED
RESET
KEY_GRID0
R7578 100k
GNDD

N 1/2 PNLE ASSY (DWX2927)

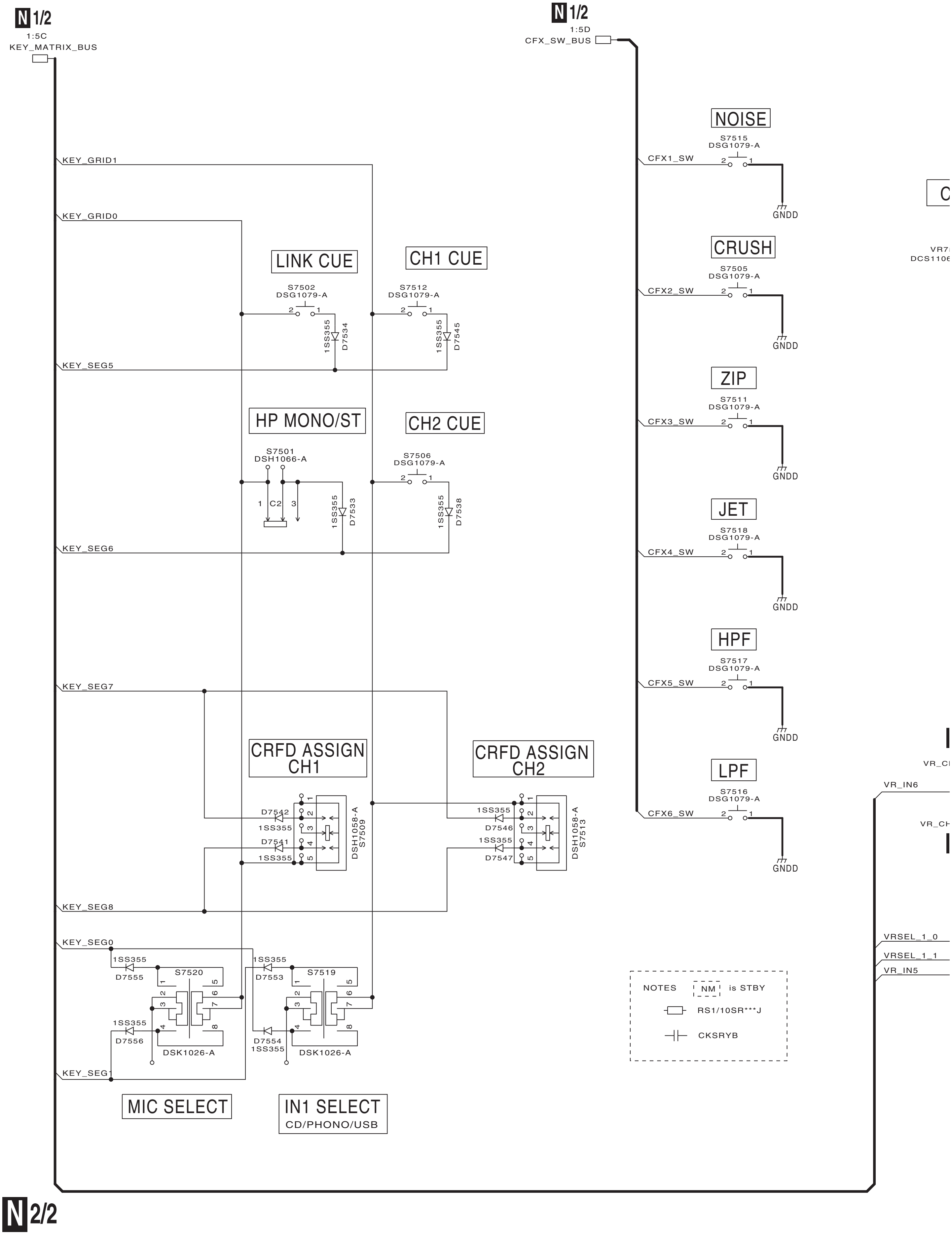


CPU B
IC7501 DYW1788-/J
UPD78F1162AGF-GAS-K
CN7508 KM200NA3L
CN7507 KM200NA4R
CN7506 KM200NA4
N 2/2 KEY_MATRIX_BUS
N 2/2 CFX_SW_BUS
X7501 DSS1180-A
CN7505 NM
VKN1263-A CN7501
VKN1263-A CN7502
R CN7001
2
A-a A-b

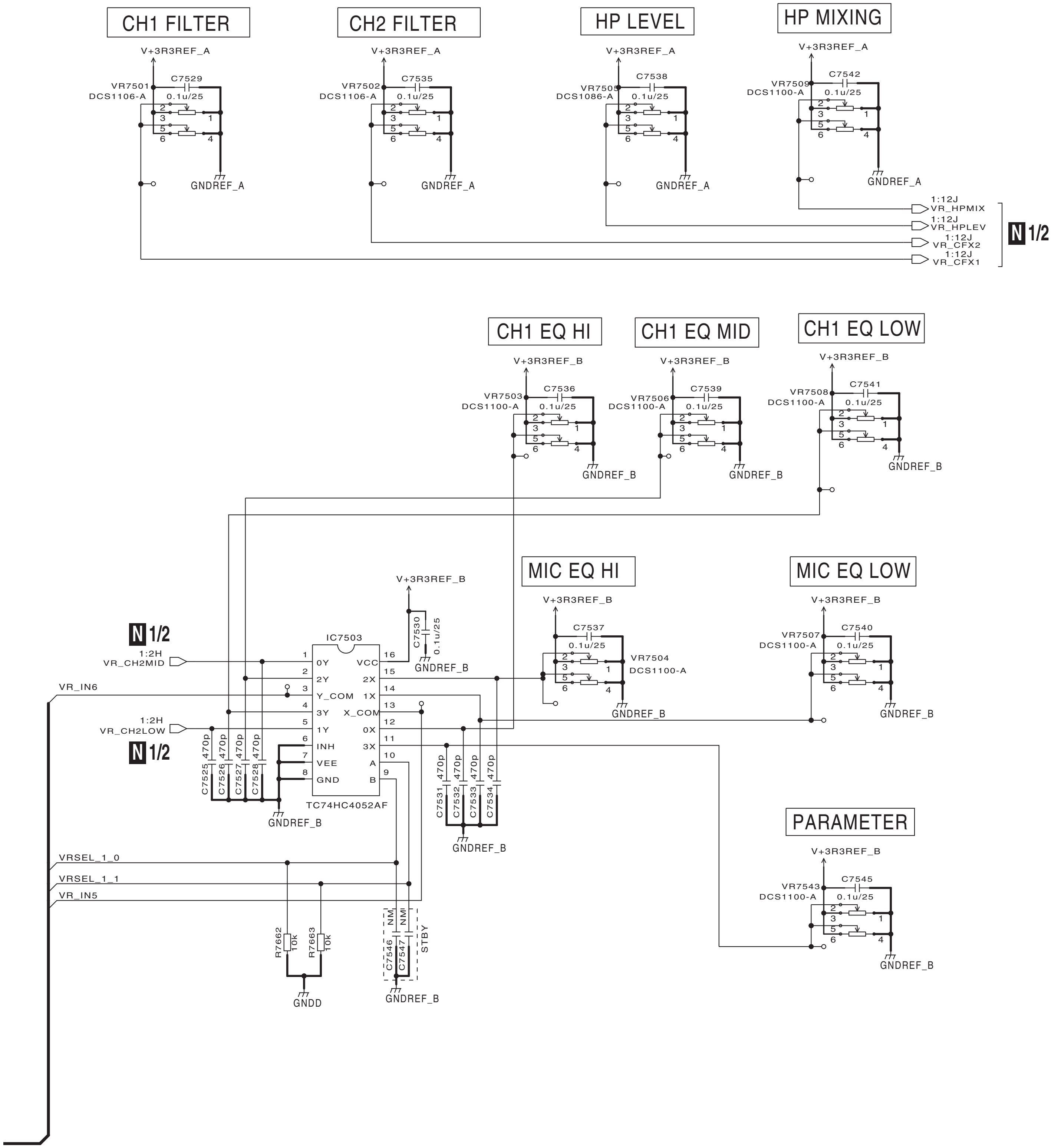


R CN7002
X CN8070
N 2/2
CN7503
VKN1250-A
A-a A-b
NOTES
NM is STBY
RS1/10SR***J
CKSRYB
CEAT
CEJQ
JQ
DSS1180-A
X7501
GNDD
R7519
1/10W
C7502
C7504
100u/10
C7506
0.1u/25
C7509
R7562
1/10W
EVDD1
EVSS1
TAP_SW
STBY_SW
R7541
NM
2H
12K;2J
LED_SEG0
LED_SEG1
LED_SEG2
LED_SEG3
LED_SEG4
LED_SEG5
LED_SEG6
LED_SEG7
LED_SEG8
LED_SEG9
LED_SEG10
LED_SEG11
LED_SEG12
LED_SEG13
LED_SEG14
LED_SEG15
LED_SEG16
LED_GRID4
LED_GRID5
LED_GRID6
LED_GRID7
100k
D7502
D7504
D7506
1SS355
FLMDO
CLK_IN
VR_CH2MID
VR_CH2LOW
2:8F
KEY_SEG1
KEY_SEG2
KEY_GRID3
KEY_SEG0
KEY_SEG4
KEY_GRID2
KEY_SEG3
KEY_GRID4
KEY_SEG5
KEY_GRID6
KEY_SEG6
KEY_SEG7
KEY_SEG8
V+3R3REF_B
TAP_SW
7H
GNDREF_B
VR_FD4
VR_FD3
VR_IN3
VR_IN4
VR_IN1
VR_IN2
V+3R3REF_A
GNDREF_A
MVR_MUTE
VRSEL_0_1
VRSEL_0_0
R7505
R7504
22
V+12E
GNDD
V+3R3D
KEY_GRID4
KEY_SEG3
NC
LED_SEG7A
STBY-SW
STBY_LED
STANDBY_LED
KEY_SEG6
KEY_SEG7
KEY_GRID2
LED_SEG14
LED_SEG13
LED_GRID7A
LED_SEG8A
EF1_SW
EF2_SW
12L
LED_GRID0A
KEY_GRID5
12K;7I
D7572
D7573
D7574
D7575
D7576
D7577

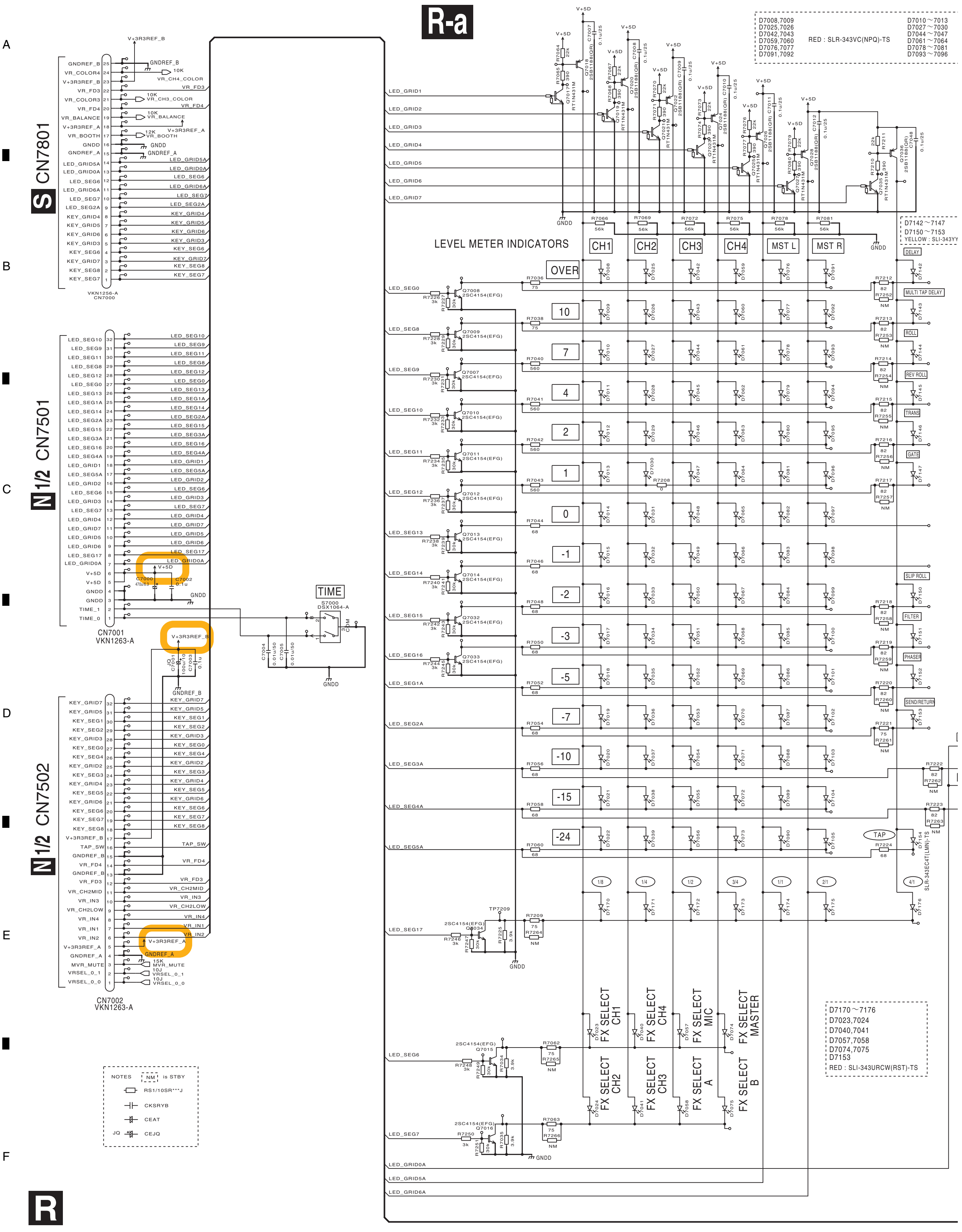
10.23 PNLE ASSY (2/2)


N 1/2
1:5C
KEY_MATRIX_BUS
N 1/2
1:5D
CFX_SW_BUS
KEY_GRID1
KEY_GRID0
KEY_SEG5
KEY_SEG6
KEY_SEG7
KEY_SEG8
KEY_SEG0
KEY_SEG1
LINK CUE
S7502
DSG1079-A
1SS355
D7534
CH1 CUE
S7512
DSG1079-A
1SS355
D7545
HP MONO/ST
S7501
DSH1066-A
1 C2 3
1SS355
D7533
CH2 CUE
S7506
DSG1079-A
1SS355
D7538
CRFD ASSIGN CH1
D7542
1SS355
D7541
1SS355
DSH1058-A
S7509
CRFD ASSIGN CH2
1SS355
D7546
1SS355
D7547
DSH1058-A
S7513
1SS355
D7555
S7520
1SS355
D7556
DSK1026-A
1SS355
D7553
S7519
D7554
1SS355
DSK1026-A
MIC SELECT
IN1 SELECT
CD/PHONO/USB
NOISE
S7515
DSG1079-A
CFX1_SW
GNDD
CRUSH
S7505
DSG1079-A
CFX2_SW
GNDD
ZIP
S7511
DSG1079-A
CFX3_SW
GNDD
JET
S7518
DSG1079-A
CFX4_SW
GNDD
HPF
S7517
DSG1079-A
CFX5_SW
GNDD
LPF
S7516
DSG1079-A
CFX6_SW
GNDD
C
VR7
DCS1106
VR_CH
VR_IN6
VR_CH
VRSEL_1_0
VRSEL_1_1
VR_IN5
NOTES
NM is STBY
RS1/10SR***J
CKSRYB
N 2/2

N 2/2 PNLE ASSY (DWX2927)


CH1 FILTER
V+3R3REF_A
VR7501
DCS1106-A
C7529
0.1u/25
GNDREF_A
CH2 FILTER
V+3R3REF_A
VR7502
DCS1106-A
C7535
0.1u/25
GNDREF_A
HP LEVEL
V+3R3REF_A
VR7505
DCS1086-A
C7538
0.1u/25
GNDREF_A
HP MIXING
V+3R3REF_A
VR7509
DCS1100-A
C7542
0.1u/25
GNDREF_A
1:12J VR_HPMIX
1:12J VR_HPLEV
1:12J VR_CFX2
1:12J VR_CFX1
N 1/2
CH1 EQ HI
V+3R3REF_B
VR7503
DCS1100-A
C7536
0.1u/25
GNDREF_B
CH1 EQ MID
V+3R3REF_B
VR7506
DCS1100-A
C7539
0.1u/25
GNDREF_B
CH1 EQ LOW
V+3R3REF_B
VR7508
DCS1100-A
C7541
0.1u/25
GNDREF_B
MIC EQ HI
V+3R3REF_B
C7537
0.1u/25
VR7504
DCS1100-A
GNDREF_B
MIC EQ LOW
V+3R3REF_B
VR7507
DCS1100-A
C7540
0.1u/25
GNDREF_B
V+3R3REF_B
C7530
0.1u/25
GNDREF_B
N 1/2
1:2H VR_CH2MID
VR_IN6
1:2H VR_CH2LOW
N 1/2
IC7503
TC74HC4052AF
1 0Y
2 2Y
3 Y_COM
4 3Y
5 1Y
6 INH
7 VEE
8 GND
16 VCC
15 2X
14 1X
13 X_COM
12 0X
11 3X
10 A
9 B
C7525 470p
C7526 470p
C7527 470p
C7528 470p
GNDREF_B
C7531 470p
C7532 470p
C7533 470p
C7534 470p
GNDREF_B
PARAMETER
V+3R3REF_B
VR7543
DCS1100-A
C7545
0.1u/25
GNDREF_B
VRSEL_1_0
VRSEL_1_1
VR_IN5
R7662 10k
R7663 10k
GNDD
C7546 NMI
C7547 NMI
STBY
GNDREF_B
1 2 3 4 5 6

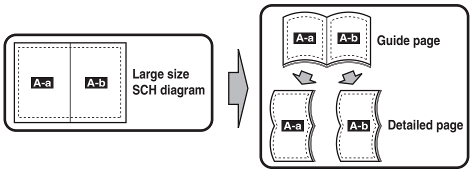
10.24 PNCE ASSY


R-a
S CN7801
VKN1256-A
CN7000
GNDREF_B
VR_COLOR4
V+3R3REF_B
VR_FD3
VR_COLOR3
VR_FD4
VR_BALANCE
V+3R3REF_A
VR_BOOTH
GNDD
GNDREF_A
LED_GRID5A
LED_GRID0A
LED_SEG6
LED_GRID6A
LED_SEG7
LED_SEG2A
KEY_GRID4
KEY_GRID5
KEY_GRID6
KEY_GRID3
KEY_SEG6
KEY_GRID7
KEY_SEG8
KEY_SEG7
VR_CH4_COLOR
VR_CH3_COLOR
N 1/2 CN7501
CN7001
VKN1263-A
N 1/2 CN7502
CN7002
VKN1263-A
TIME
S7000
DSX1064-A
TIME_1
TIME_0
C7000
C7002
C7004
C7005
C7001
C7003
TAP_SW
VR_CH2MID
VR_IN3
VR_CH2LOW
VR_IN4
VR_IN1
VR_IN2
MVR_MUTE
VRSEL_0_1
VRSEL_0_0
LED_GRID1
LED_GRID2
LED_GRID3
LED_GRID4
LED_GRID5
LED_GRID6
LED_GRID7
LED_SEG0
LED_SEG8
LED_SEG9
LED_SEG10
LED_SEG11
LED_SEG12
LED_SEG13
LED_SEG14
LED_SEG15
LED_SEG16
LED_SEG1A
LED_SEG2A
LED_SEG3A
LED_SEG4A
LED_SEG5A
LED_SEG17
LED_SEG6
LED_SEG7
LED_GRID0A
LED_GRID5A
LED_GRID6A
V+5D
GNDD
2SB1188(QR)
RTN431M
2SC4154(EFG)
LEVEL METER INDICATORS
CH1
CH2
CH3
CH4
MST L
MST R
OVER
10
7
4
2
1
0
-1
-2
-3
-5
-7
-10
-15
-24
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
GATE
SLIP ROLL
FILTER
PHASER
SEND/RETURN
TAP
1/8
1/4
1/2
3/4
1/1
2/1
4/1
FX SELECT CH1
FX SELECT CH4
FX SELECT MIC
FX SELECT MASTER
FX SELECT CH2
FX SELECT CH3
FX SELECT A
FX SELECT B
TP7209
D7008,7009 D7025,7026 D7042,7043 D7059,7060 D7076,7077 D7091,7092
RED : SLR-343VC(NPQ)-TS
D7010～7013 D7027～7030 D7044～7047 D7061～7064 D7078～7081 D7093～7096
D7142～7147 D7150～7153
YELLOW : SLI-343YY
SLR-343EC4T(LMN)-TS
D7170～7176 D7023,7024 D7040,7041 D7057,7058 D7074,7075 D7153
RED : SLI-343URCW(RST)-TS
NOTES NM is STBY
RS1/10SR***J
CKSRYB
CEAT
JQ CEJQ
1
2
3
4
A
B
C
D
E
F
R

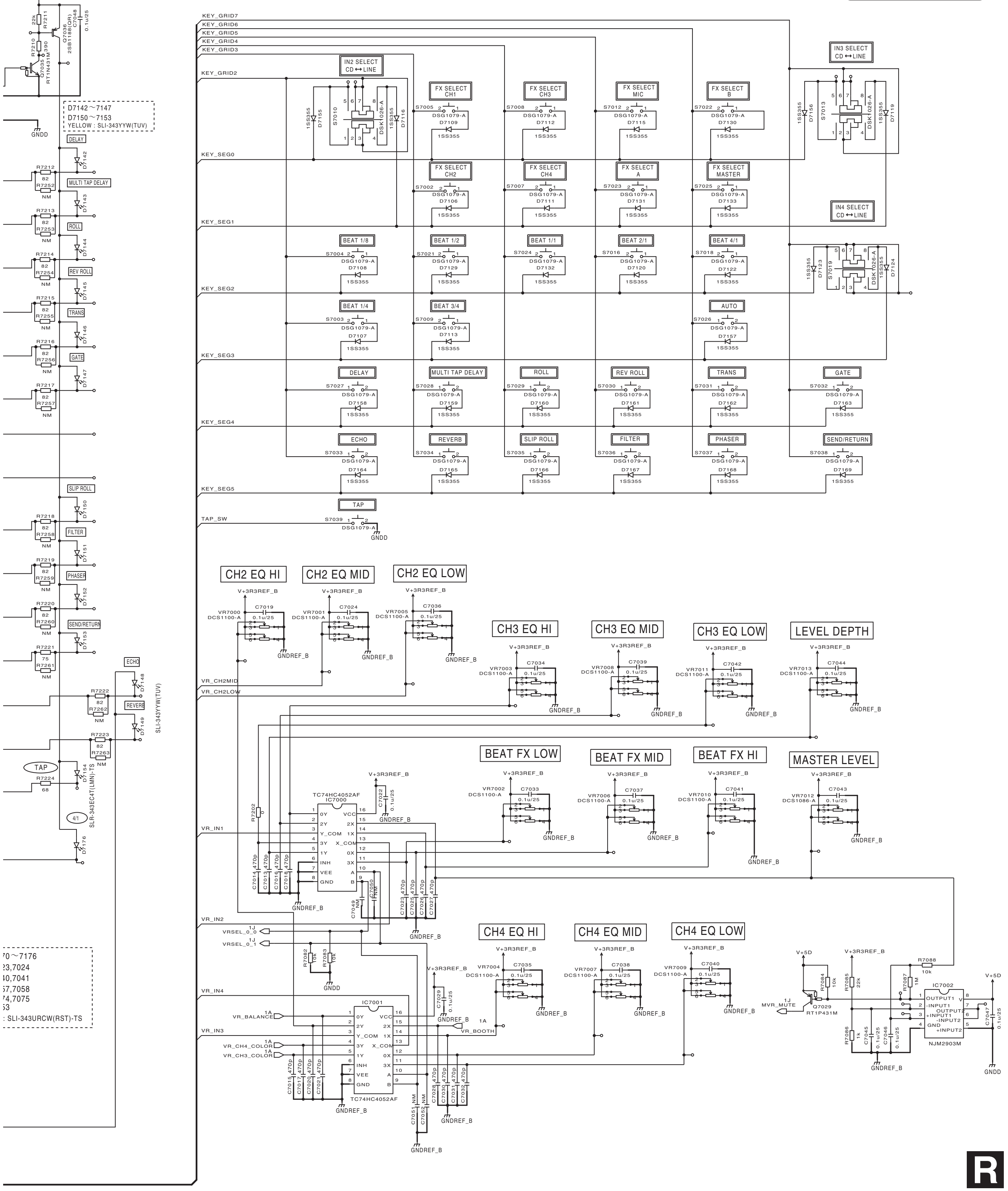
R-b

43VC(NPQ)-TS
D7010～7013
D7027～7030
D7044～7047
D7061～7064
D7078～7081
D7093～7096
YELLOW : SLI-343YYW(TUV)
D7014～7022
D7031～7039
D7048～7056
D7065～7073
D7082～7090
D7097～7105
GREEN : SLR-343MC(NPQ)-TS

R PNCE ASSY (DWX2926)



A-a
A-b
Large size SCH diagram
A-a
A-b
Guide page
A-a
A-b
Detailed page



A
B
C
D
E
F
KEY_GRID7
KEY_GRID6
KEY_GRID5
KEY_GRID4
KEY_GRID3
KEY_GRID2
KEY_SEG0
KEY_SEG1
KEY_SEG2
KEY_SEG3
KEY_SEG4
KEY_SEG5
TAP_SW
IN2 SELECT CD ↔ LINE
IN3 SELECT CD ↔ LINE
IN4 SELECT CD ↔ LINE
FX SELECT CH1
FX SELECT CH3
FX SELECT MIC
FX SELECT B
FX SELECT CH2
FX SELECT CH4
FX SELECT A
FX SELECT MASTER
BEAT 1/8
BEAT 1/2
BEAT 1/1
BEAT 2/1
BEAT 4/1
BEAT 1/4
BEAT 3/4
AUTO
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
GATE
ECHO
REVERB
SLIP ROLL
FILTER
PHASER
SEND/RETURN
TAP
DSG1079-A
1SS355
DSK1026-A
GNDD
Q7036 2SB1188(QR)
Q7035 RT1N431M
R7211 22k
R7210 390
C7048 0.1u/25
D7142～7147
D7150～7153
YELLOW : SLI-343YYW(TUV)
SLI-343YYW(TUV)
SLR-343EC4T(LMN)-TS
4/1
70～7176
23,7024
40,7041
57,7058
74,7075
53
: SLI-343URCW(RST)-TS
CH2 EQ HI
CH2 EQ MID
CH2 EQ LOW
CH3 EQ HI
CH3 EQ MID
CH3 EQ LOW
LEVEL DEPTH
BEAT FX LOW
BEAT FX MID
BEAT FX HI
MASTER LEVEL
CH4 EQ HI
CH4 EQ MID
CH4 EQ LOW
V+3R3REF_B
GNDREF_B
DCS1100-A
DCS1086-A
VR_CH2MID
VR_CH2LOW
VR_IN1
VR_IN2
VR_IN4
VR_IN3
VRSEL_0_0
VRSEL_0_1
VR_BALANCE
VR_CH4_COLOR
VR_CH3_COLOR
VR_BOOTH
MVR_MUTE
IC7000 TC74HC4052AF
IC7001 TC74HC4052AF
0Y VCC 2Y 2X Y_COM 1X 3Y X_COM 1Y 0X INH 3X VEE A GND B
IC7002 NJM2903M
OUTPUT1 -INPUT1 +INPUT1 GND OUTPUT2 -INPUT2 +INPUT2
Q7029 RT1P431M
R7088 10k
R7084 10k
R7085 22k
R7087 1M
R7086 1k
R7082 10k
R7083 10k
R7202 0
V+5D
GNDD
470p
0.1u/25
NM

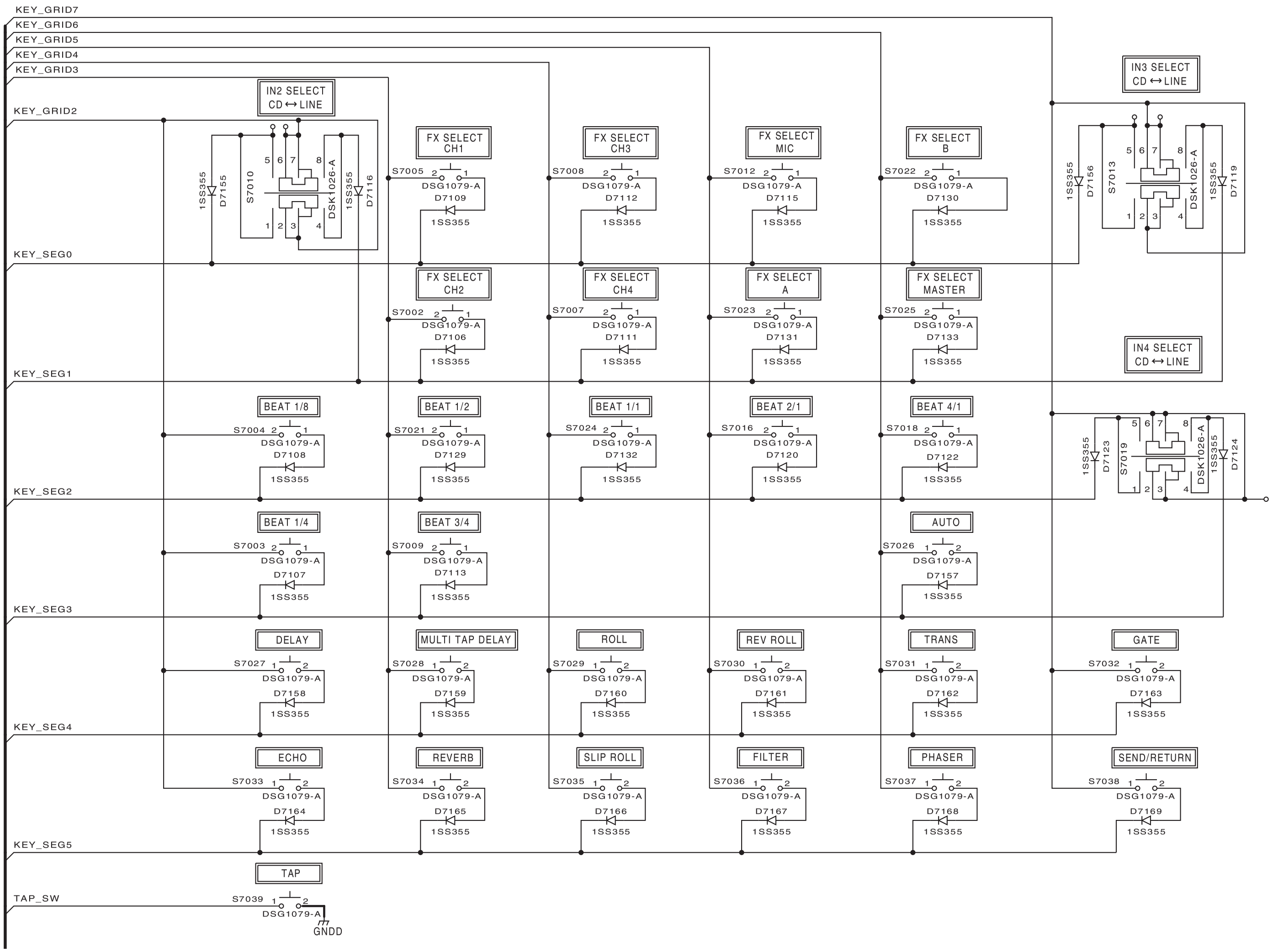
R

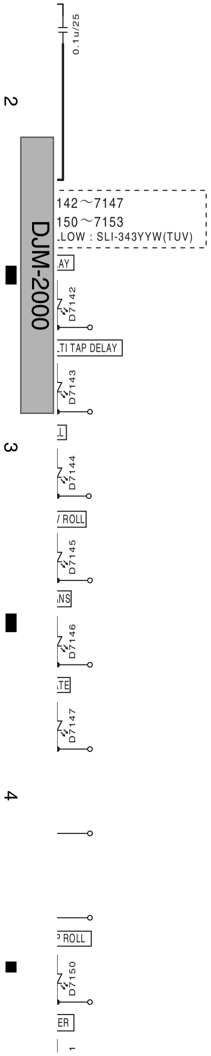
R PNCE ASSY (DWX2926)

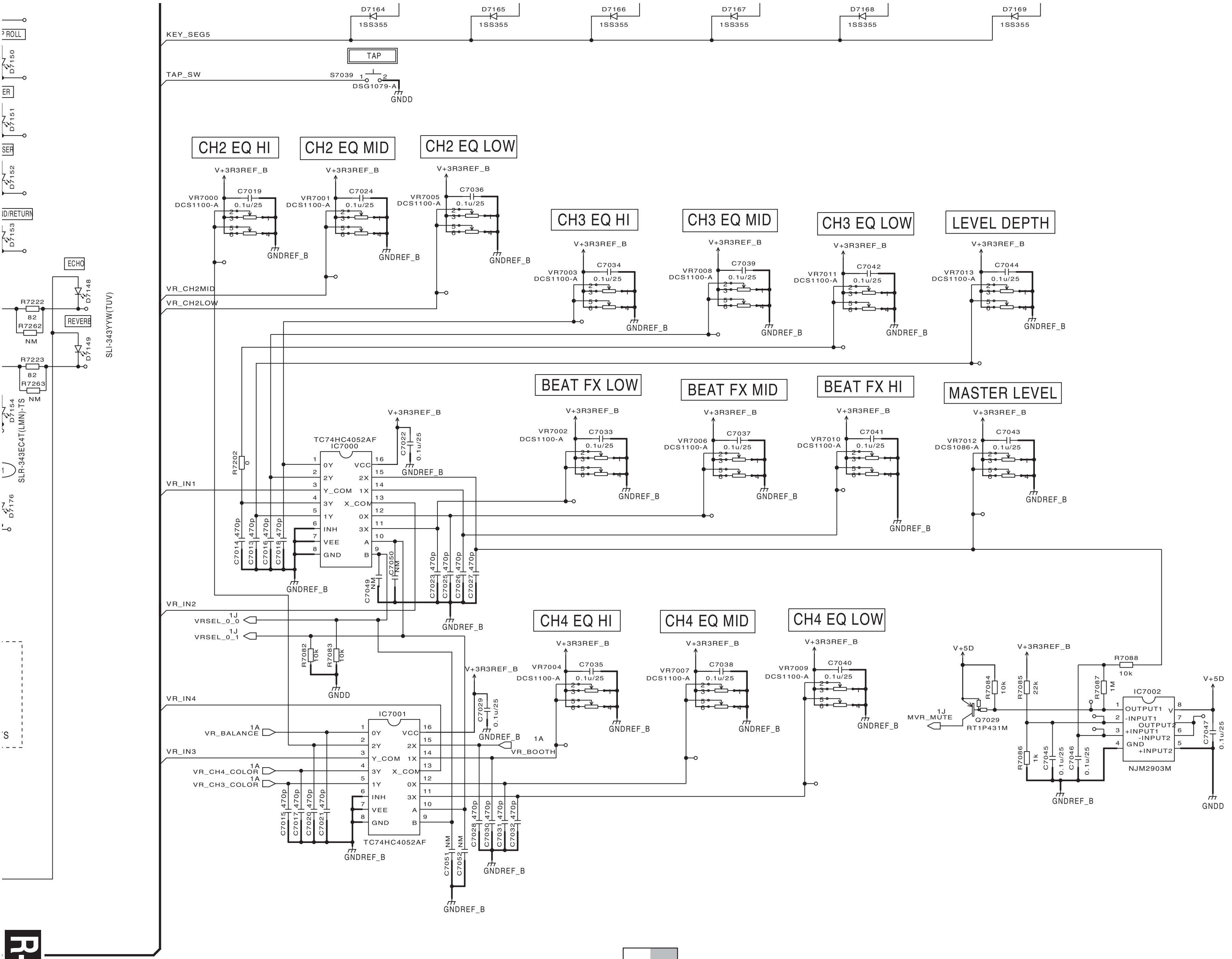
D7008,7009
D7025,7026
D7042,7043
D7059,7060
D7076,7077
D7091,7092
RED : SLR-343VC(NPQ)-TS

D7010～7013
D7027～7030
D7044～7047
D7061～7064
D7078～7081
D7093～7096
YELLOW : SLI-343YYW(TUV)

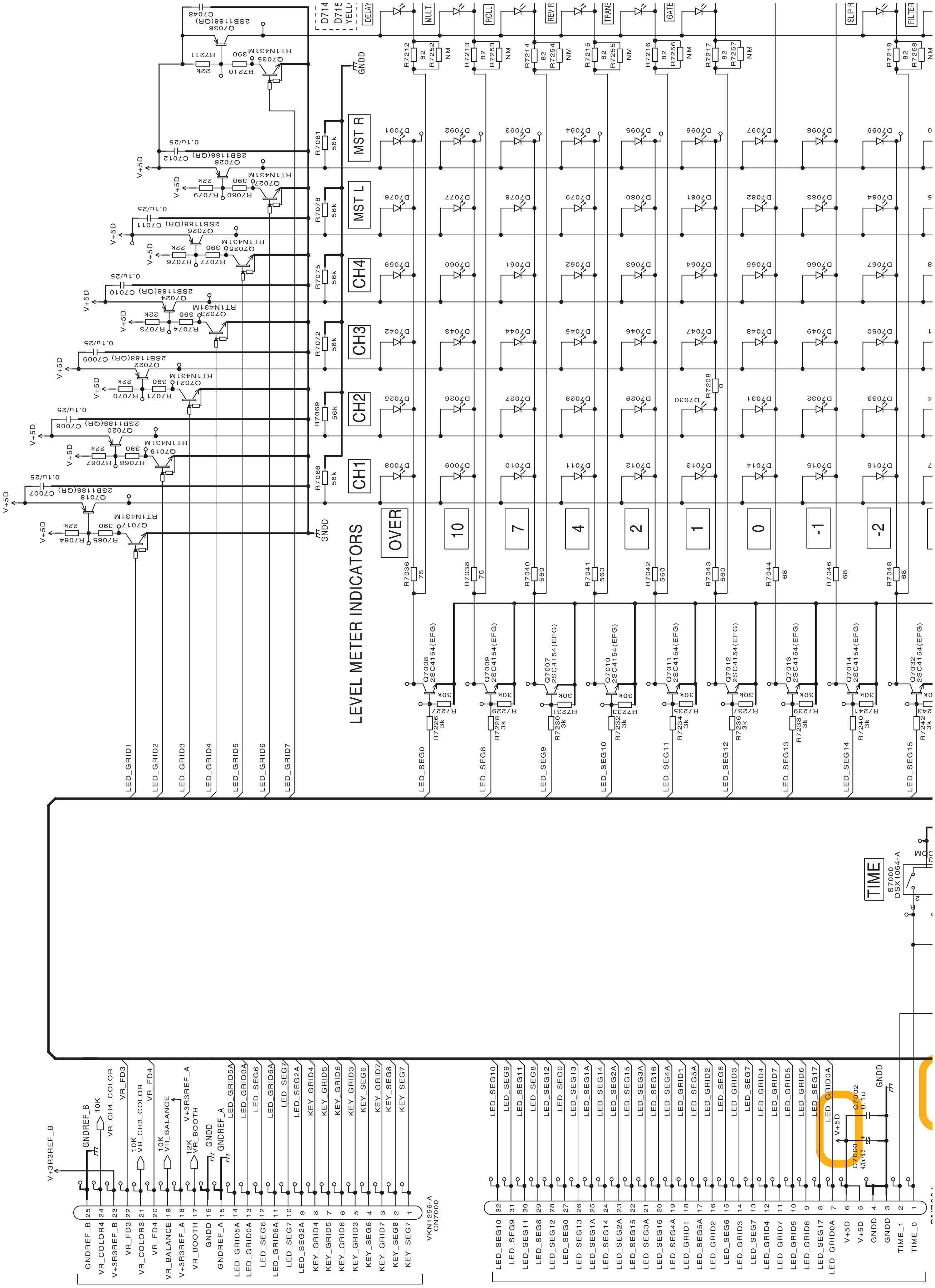
D7014～7022
D7031～7039
D7048～7056
D7065～7073
D7082～7090
D7097～7105
GREEN : SLR-343MC(NPQ)-TS

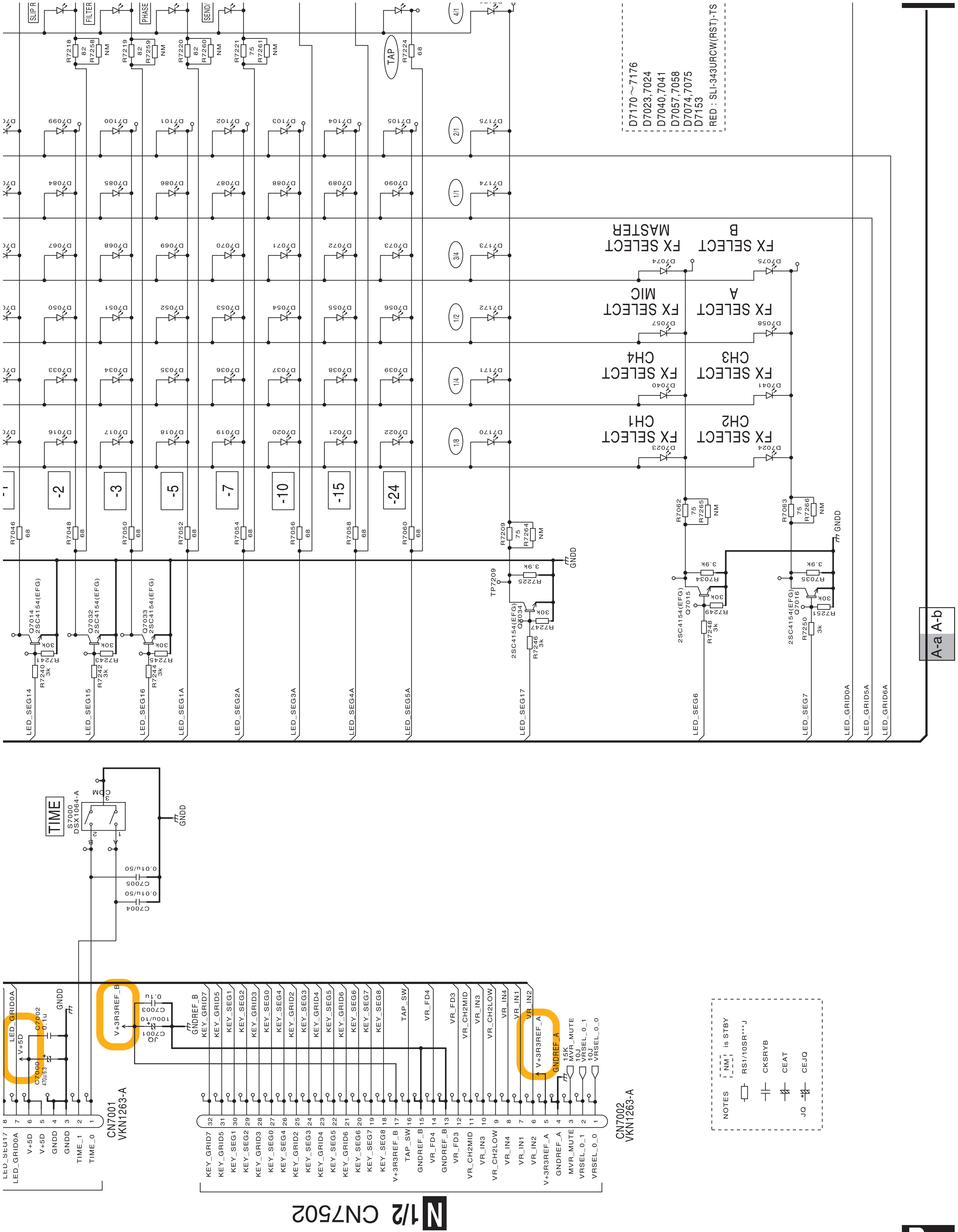

KEY_GRID7
KEY_GRID6
KEY_GRID5
KEY_GRID4
KEY_GRID3
KEY_GRID2
KEY_SEG0
KEY_SEG1
KEY_SEG2
KEY_SEG3
KEY_SEG4
KEY_SEG5
TAP_SW
IN2 SELECT CD ↔ LINE
S7010
DSK1026-A
D7155
D7116
1SS355
IN3 SELECT CD ↔ LINE
S7013
D7156
D7119
IN4 SELECT CD ↔ LINE
S7019
D7123
D7124
FX SELECT CH1
S7005
D7109
FX SELECT CH3
S7008
D7112
FX SELECT MIC
S7012
D7115
FX SELECT B
S7022
D7130
FX SELECT CH2
S7002
D7106
FX SELECT CH4
S7007
D7111
FX SELECT A
S7023
D7131
FX SELECT MASTER
S7025
D7133
BEAT 1/8
S7004
D7108
BEAT 1/2
S7021
D7129
BEAT 1/1
S7024
D7132
BEAT 2/1
S7016
D7120
BEAT 4/1
S7018
D7122
BEAT 1/4
S7003
D7107
BEAT 3/4
S7009
D7113
AUTO
S7026
D7157
DELAY
S7027
D7158
MULTI TAP DELAY
S7028
D7159
ROLL
S7029
D7160
REV ROLL
S7030
D7161
TRANS
S7031
D7162
GATE
S7032
D7163
ECHO
S7033
D7164
REVERB
S7034
D7165
SLIP ROLL
S7035
D7166
FILTER
S7036
D7167
PHASER
S7037
D7168
SEND/RETURN
S7038
D7169
TAP
S7039
DSG1079-A
GNDD


0.1u/25
142～7147
150～7153
LOW : SLI-343YYW(TUV)
AY
D7142
TI TAP DELAY
D7143
D7144
/ROLL
D7145
NS
D7146
TE
D7147
ROLL
D7150
ER


KEY_SEG5
TAP_SW
D7164 1SS355
D7165 1SS355
D7166 1SS355
D7167 1SS355
D7168 1SS355
D7169 1SS355
TAP
S7039 DSG1079-A
GNDD
CH2 EQ HI
CH2 EQ MID
CH2 EQ LOW
CH3 EQ HI
CH3 EQ MID
CH3 EQ LOW
LEVEL DEPTH
BEAT FX LOW
BEAT FX MID
BEAT FX HI
MASTER LEVEL
CH4 EQ HI
CH4 EQ MID
CH4 EQ LOW
V+3R3REF_B
GNDREF_B
VR7000 DCS1100-A
VR7001 DCS1100-A
VR7005 DCS1100-A
VR7003 DCS1100-A
VR7008 DCS1100-A
VR7011 DCS1100-A
VR7013 DCS1100-A
VR7002 DCS1100-A
VR7006 DCS1100-A
VR7010 DCS1100-A
VR7012 DCS1086-A
VR7004 DCS1100-A
VR7007 DCS1100-A
VR7009 DCS1100-A
C7019 0.1u/25
C7024 0.1u/25
C7036 0.1u/25
C7034 0.1u/25
C7039 0.1u/25
C7042 0.1u/25
C7044 0.1u/25
C7033 0.1u/25
C7037 0.1u/25
C7041 0.1u/25
C7043 0.1u/25
C7035 0.1u/25
C7038 0.1u/25
C7040 0.1u/25
VR_CH2MID
VR_CH2LOW
VR_IN1
VR_IN2
VR_IN4
VR_IN3
IC7000 TC74HC4052AF
IC7001 TC74HC4052AF
0Y 2Y Y_COM 3Y 1Y INH VEE GND
VCC 2X 1X X_COM 0X 3X A B
C7022 0.1u/25
C7014 470p
C7013 470p
C7016 470p
C7018 470p
C7023 470p
C7025 470p
C7026 470p
C7027 470p
C7049 NM
C7050 NM
R7202 0
VRSEL_0_0 1J
VRSEL_0_1 1J
R7082 10k
R7083 10k
VR_BALANCE 1A
VR_CH4_COLOR 1A
VR_CH3_COLOR 1A
VR_BOOTH 1A
C7029 0.1u/25
C7015 470p
C7017 470p
C7020 470p
C7021 470p
C7028 470p
C7030 470p
C7031 470p
C7032 470p
C7051 NM
C7052 NM
V+5D
MVR_MUTE 1J
Q7029 RT1P431M
R7084 10k
R7085 22k
R7086 1k
R7087 1M
R7088 10k
C7045 0.1u/25
C7046 0.1u/25
C7047 0.1u/25
IC7002 NJM2903M
OUTPUT1 -INPUT1 +INPUT1 GND +INPUT2 -INPUT2 OUTPUT2 V
ECHO
REVERB
D7148
D7149
R7222 82
R7262 NM
R7223 82
R7263 NM
SLI-343YYW(TUV)
SLR-343EC4T(LMN)-TS
D7150
D7151
D7152
D7153
D7154
D7176
ROLL
ER
SER
D/RETURN
S
R-b
A-a A-b
5 6 7 8
A B C D E F

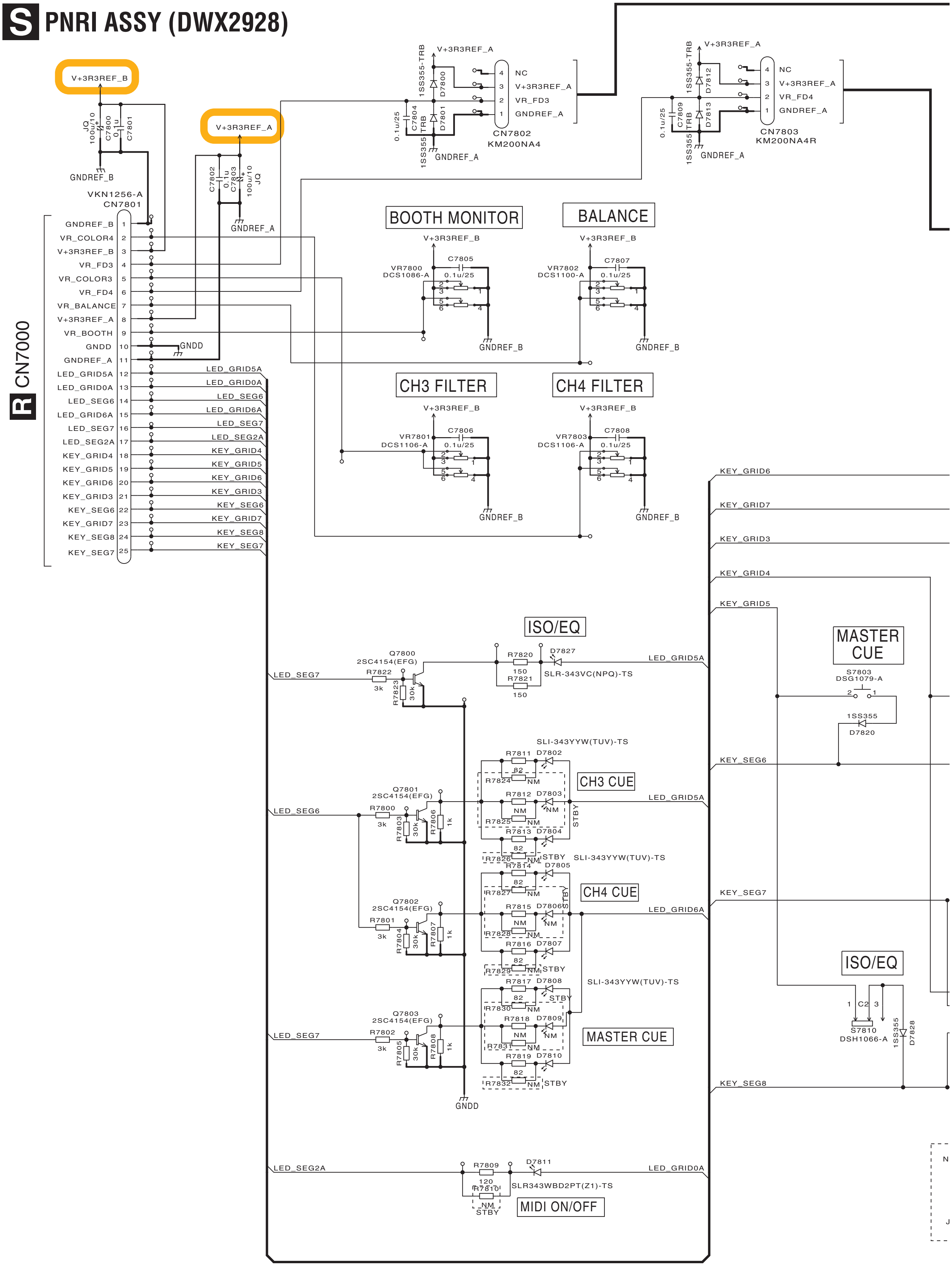
R PNCE ASSY (DWX2926)

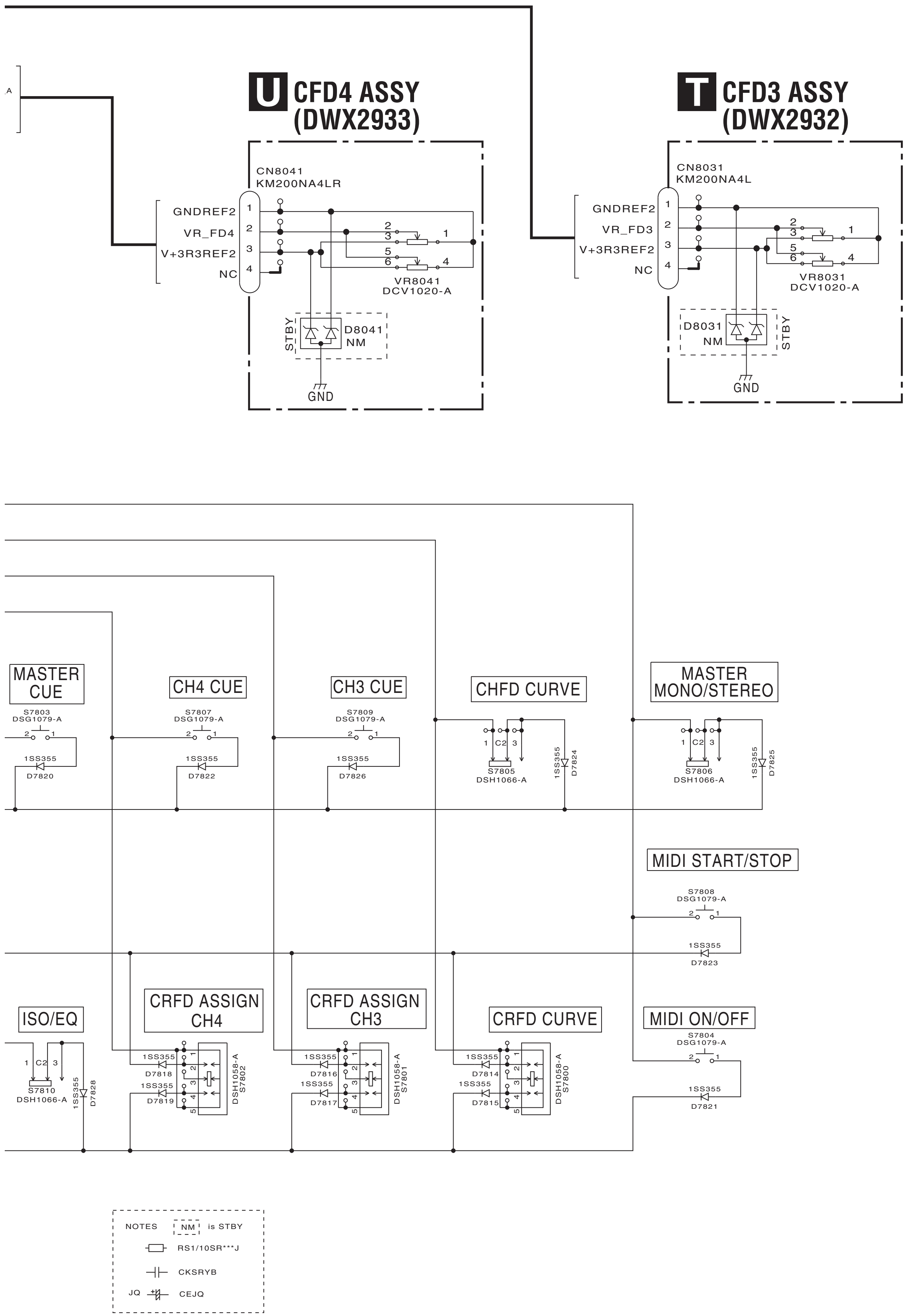

LEVEL METER INDICATORS
OVER
10
7
4
2
1
0
-1
-2
CH1
CH2
CH3
CH4
MST L
MST R
MULTI
ROLL
REV R
TRANS
GATE
DELAY
SLIP R
FILTER
D714
D715
GNDD
V+5D
RT1N431M
2SB1188(QR)
0.1u/25
22K
390
56k
LED_GRID1
LED_GRID2
LED_GRID3
LED_GRID4
LED_GRID5
LED_GRID6
LED_GRID7
LED_SEG0
LED_SEG8
LED_SEG9
LED_SEG10
LED_SEG11
LED_SEG12
LED_SEG13
LED_SEG14
LED_SEG15
2SC4154(EFG)
TIME
S7000
DSX1064-A
C7000
C7002
0.1u
470u/6.3
V+3R3REF_B
GNDREF_B
VR_CH4_COLOR
VR_FD3
VR_CH3_COLOR
VR_FD4
VR_BALANCE
V+3R3REF_A
VR_BOOTH
GNDREF_A
10K
12K
VKN1256-A
CN7000
S CN7801
N 1/2 CN7501


N 1/2 CN7502
CN7001 VKN1263-A
CN7002 VKN1263-A
LED_SEG17
LED_GRID0A
V+5D
GNDD
TIME_1
TIME_0
KEY_GRID7
KEY_GRID5
KEY_SEG1
KEY_SEG2
KEY_GRID3
KEY_SEG0
KEY_SEG4
KEY_GRID2
KEY_SEG3
KEY_GRID4
KEY_GRID6
KEY_GRID5
KEY_SEG6
KEY_SEG7
KEY_SEG8
V+3R3REF_B
TAP_SW
GNDREF_B
VR_FD4
VR_FD3
VR_CH2MID
VR_IN3
VR_CH2LOW
VR_IN4
VR_IN1
VR_IN2
V+3R3REF_A
GNDREF_A
MVR_MUTE
VRSEL_0_1
VRSEL_0_0
C7000 470u/6.3
C7002 0.1u
C7001 100u/10
C7003 0.1u
C7004 0.01u/50
C7005 0.01u/50
TIME
S7000 DSX1064-A
LED_SEG14
LED_SEG15
LED_SEG16
LED_SEG1A
LED_SEG2A
LED_SEG3A
LED_SEG4A
LED_SEG5A
LED_SEG17
LED_SEG6
LED_SEG7
LED_GRID0A
LED_GRID5A
LED_GRID6A
Q7014 2SC4154(EFG)
Q7032 2SC4154(EFG)
Q7033 2SC4154(EFG)
Q7034 2SC4154(EFG)
Q7015 2SC4154(EFG)
Q7016 2SC4154(EFG)
TP7209
SLIP R
FILTER
PHASE
SEND/
TAP
-2
-3
-5
-7
-10
-15
-24
1/8
1/4
1/2
3/4
1/1
2/1
4/1
FX SELECT CH1
FX SELECT CH2
FX SELECT CH4
FX SELECT CH3
FX SELECT MIC
FX SELECT A
FX SELECT MASTER
FX SELECT B
D7170～7176
D7023,7024
D7040,7041
D7057,7058
D7074,7075
D7153
RED : SLI-343URCW(RST)-TS
A-a A-b
NOTES
NM is STBY
RS1/10SR***J
CKSRYB
CEAT
CEJQ
JQ

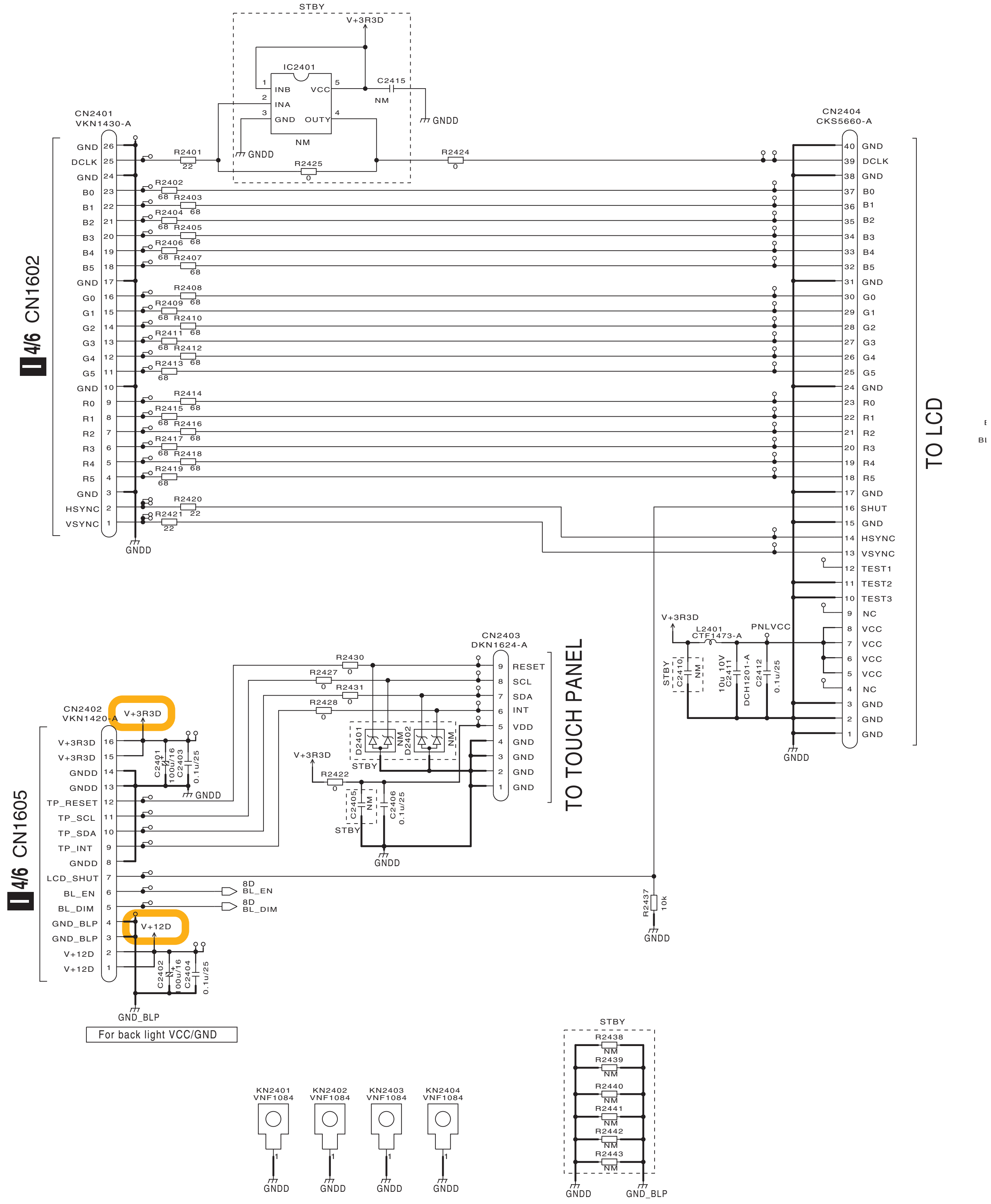
10.25 PNRI, CFD3 and CFD4 ASSYS

S PNRI ASSY (DWX2928)

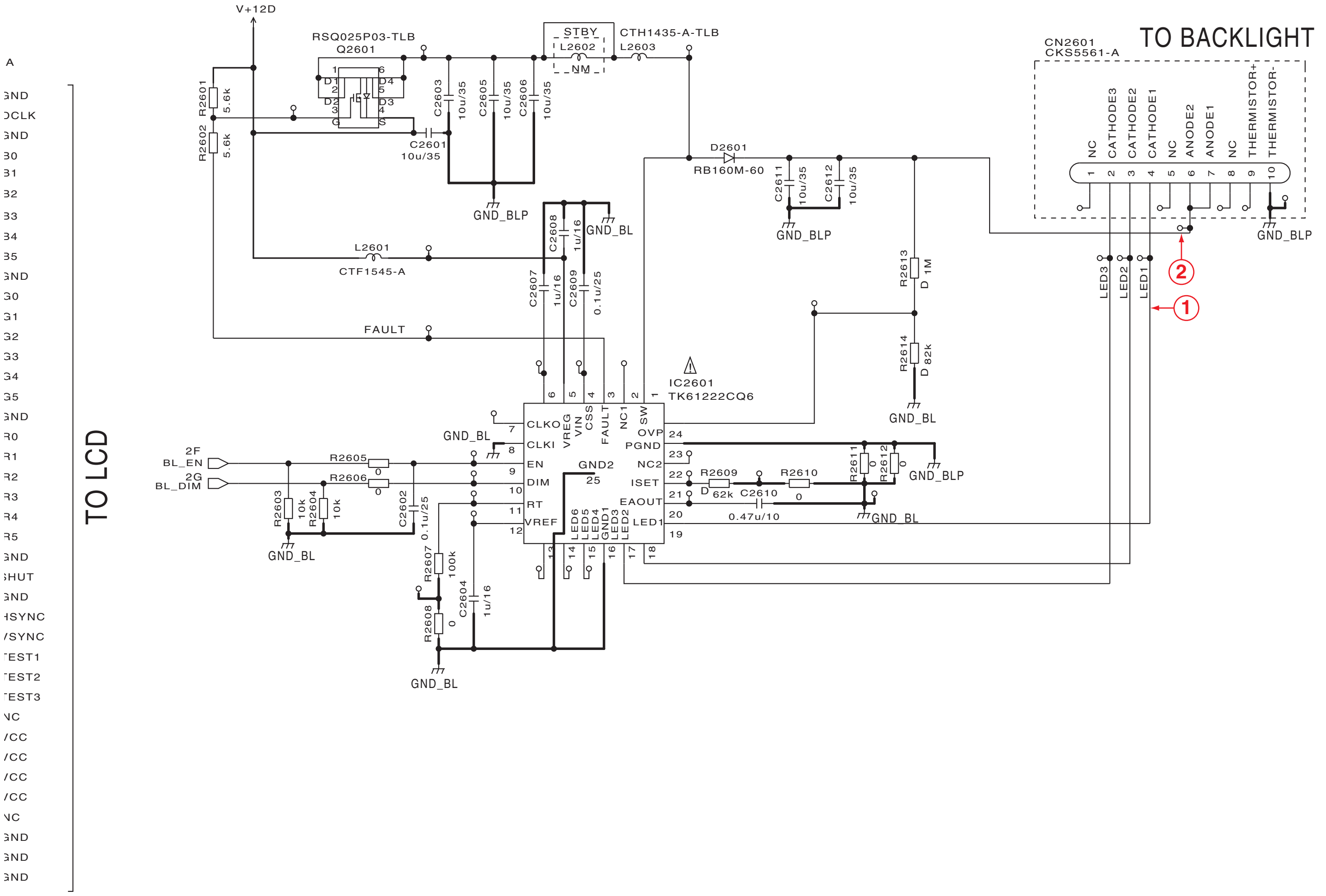

V+3R3REF_B
JQ 100u/10 C7800
0.1u C7801
GNDREF_B
V+3R3REF_A
C7802 0.1u C7803 100u/10 JQ
GNDREF_A
VKN1256-A CN7801
R CN7000
GNDREF_B 1
VR_COLOR4 2
V+3R3REF_B 3
VR_FD3 4
VR_COLOR3 5
VR_FD4 6
VR_BALANCE 7
V+3R3REF_A 8
VR_BOOTH 9
GNDD 10
GNDREF_A 11
LED_GRID5A 12
LED_GRID0A 13
LED_SEG6 14
LED_GRID6A 15
LED_SEG7 16
LED_SEG2A 17
KEY_GRID4 18
KEY_GRID5 19
KEY_GRID6 20
KEY_GRID3 21
KEY_SEG6 22
KEY_GRID7 23
KEY_SEG8 24
KEY_SEG7 25
GNDD
1SS355-TRB D7800
1SS355 TRB D7801
0.1u/25 C7804
V+3R3REF_A
NC
V+3R3REF_A
VR_FD3
GNDREF_A
CN7802 KM200NA4
1SS355-TRB D7812
1SS355 TRB D7813
0.1u/25 C7809
NC
V+3R3REF_A
VR_FD4
GNDREF_A
CN7803 KM200NA4R
BOOTH MONITOR
V+3R3REF_B
VR7800 DCS1086-A
C7805 0.1u/25
BALANCE
VR7802 DCS1100-A
C7807 0.1u/25
CH3 FILTER
VR7801 DCS1106-A
C7806 0.1u/25
CH4 FILTER
VR7803 DCS1106-A
C7808 0.1u/25
GNDREF_B
KEY_GRID6
KEY_GRID7
KEY_GRID3
KEY_GRID4
KEY_GRID5
ISO/EQ
Q7800 2SC4154(EFG)
R7822 3k
R7823 30k
R7820 150
R7821 150
D7827 SLR-343VC(NPQ)-TS
LED_GRID5A
LED_SEG7
MASTER CUE
S7803 DSG1079-A
1SS355 D7820
SLI-343YYW(TUV)-TS
R7811 D7802 82
R7824 NM
CH3 CUE
Q7801 2SC4154(EFG)
R7800 3k
R7803 30k
R7806 1k
R7812 D7803
R7825 NM
R7813 D7804 82
R7826 NM STBY
LED_SEG6
KEY_SEG6
SLI-343YYW(TUV)-TS
R7814 D7805 82
R7827 NM
CH4 CUE
Q7802 2SC4154(EFG)
R7801 3k
R7804 30k
R7807 1k
R7815 D7806
R7828 NM
R7816 D7807 82
R7829 NM STBY
LED_GRID6A
KEY_SEG7
ISO/EQ
S7810 DSH1066-A
1SS355 D7828
SLI-343YYW(TUV)-TS
R7817 D7808 82
R7830 NM STBY
MASTER CUE
Q7803 2SC4154(EFG)
R7802 3k
R7805 30k
R7808 1k
R7818 D7809
R7831 NM
R7819 D7810 82
R7832 NM STBY
KEY_SEG8
GNDD
LED_SEG2A
R7809 120
R7810 NM STBY
D7811 SLR343WBD2PT(Z1)-TS
LED_GRID0A
MIDI ON/OFF
N
J


A
U CFD4 ASSY
(DWX2933)
T CFD3 ASSY
(DWX2932)
CN8041
KM200NA4LR
GNDREF2
VR_FD4
V+3R3REF2
NC
1
2
3
4
VR8041
DCV1020-A
STBY
D8041
NM
GND
CN8031
KM200NA4L
GNDREF2
VR_FD3
V+3R3REF2
NC
VR8031
DCV1020-A
D8031
NM
STBY
GND
MASTER
CUE
S7803
DSG1079-A
1SS355
D7820
CH4 CUE
S7807
DSG1079-A
1SS355
D7822
CH3 CUE
S7809
DSG1079-A
1SS355
D7826
CHFD CURVE
S7805
DSH1066-A
1SS355
D7824
MASTER
MONO/STEREO
S7806
DSH1066-A
1SS355
D7825
MIDI START/STOP
S7808
DSG1079-A
1SS355
D7823
ISO/EQ
S7810
DSH1066-A
1SS355
D7828
CRFD ASSIGN
CH4
1SS355
D7818
1SS355
D7819
DSH1058-A
S7802
CRFD ASSIGN
CH3
1SS355
D7816
1SS355
D7817
DSH1058-A
S7801
CRFD CURVE
1SS355
D7814
1SS355
D7815
DSH1058-A
S7800
MIDI ON/OFF
S7804
DSG1079-A
1SS355
D7821
NOTES
NM is STBY
RS1/10SR***J
CKSRYB
JQ CEJQ

10.26 TFTB ASSY


STBY
V+3R3D
IC2401
INB
INA
GND
VCC
OUTY
NM
C2415
NM
GNDD
R2425
0
R2401
22
R2424
0
CN2401
VKN1430-A
CN2404
CKS5660-A
GND 26
DCLK 25
GND 24
B0 23
B1 22
B2 21
B3 20
B4 19
B5 18
GND 17
G0 16
G1 15
G2 14
G3 13
G4 12
G5 11
GND 10
R0 9
R1 8
R2 7
R3 6
R4 5
R5 4
GND 3
HSYNC 2
VSYNC 1
R2402 68
R2403 68
R2404 68
R2405 68
R2406 68
R2407 68
R2408 68
R2409 68
R2410 68
R2411 68
R2412 68
R2413 68
R2414 68
R2415 68
R2416 68
R2417 68
R2418 68
R2419 68
R2420 22
R2421 22
I 4/6 CN1602
40 GND
39 DCLK
38 GND
37 B0
36 B1
35 B2
34 B3
33 B4
32 B5
31 GND
30 G0
29 G1
28 G2
27 G3
26 G4
25 G5
24 GND
23 R0
22 R1
21 R2
20 R3
19 R4
18 R5
17 GND
16 SHUT
15 GND
14 HSYNC
13 VSYNC
12 TEST1
11 TEST2
10 TEST3
9 NC
8 VCC
7 VCC
6 VCC
5 VCC
4 NC
3 GND
2 GND
1 GND
TO LCD
V+3R3D
L2401
CTF1473-A
PNLVCC
STBY
C2410
NM
10u 10V
C2411
DCH1201-A
C2412
0.1u/25
CN2403
DKN1624-A
R2430 0
R2427 0
R2431 0
R2428 0
9 RESET
8 SCL
7 SDA
6 INT
5 VDD
4 GND
3 GND
2 GND
1 GND
TO TOUCH PANEL
D2401
NM
D2402
NM
STBY
V+3R3D
R2422
0
C2405
NM
C2406
0.1u/25
STBY
CN2402
VKN1420-A
V+3R3D
V+3R3D 16
V+3R3D 15
GNDD 14
GNDD 13
TP_RESET 12
TP_SCL 11
TP_SDA 10
TP_INT 9
GNDD 8
LCD_SHUT 7
BL_EN 6
BL_DIM 5
GND_BLP 4
GND_BLP 3
V+12D 2
V+12D 1
C2401
100u/16
C2403
0.1u/25
8D
BL_EN
8D
BL_DIM
V+12D
C2402
100u/16
C2404
0.1u/25
GND_BLP
I 4/6 CN1605
R2437
10k
For back light VCC/GND
KN2401
VNF1084
KN2402
VNF1084
KN2403
VNF1084
KN2404
VNF1084
STBY
R2438 NM
R2439 NM
R2440 NM
R2441 NM
R2442 NM
R2443 NM
GNDD
GND_BLP

V TFTB ASSY (DWX2921)


V+12D
RSQ025P03-TLB
Q2601
STBY
L2602
NM
CTH1435-A-TLB
L2603
R2601 5.6k
R2602 5.6k
C2601 10u/35
C2603 10u/35
C2605 10u/35
C2606 10u/35
GND_BLP
GND_BL
C2608 1u/16
L2601
CTF1545-A
C2607 1u/16
C2609 0.1u/25
FAULT
D2601
RB160M-60
C2611 10u/35
C2612 10u/35
R2613 D 1M
R2614 D 82k
IC2601
TK61222CQ6
CLKO CLKI EN DIM RT VREF
VREG VIN CSS FAULT NC1 SW
OVP PGND NC2 ISET EAOUT LED1
GND2 25
LED6 LED5 LED4 GND1 LED3 LED2
2F BL_EN
2G BL_DIM
R2605 0
R2606 0
R2603 10k
R2604 10k
C2602 0.1u/25
R2607 100k
R2608 0
C2604 1u/16
R2609 D 62k
R2610 0
C2610 0.47u/10
R2611 0
R2612 0
CN2601
CKS5561-A
TO BACKLIGHT
1 NC
2 CATHODE3
3 CATHODE2
4 CATHODE1
5 NC
6 ANODE2
7 ANODE1
8 NC
9 THERMISTOR+
10 THERMISTOR-
LED3 LED2 LED1
②
①
TO LCD
GND
DCLK
GND
B0 B1 B2 B3 B4 B5
GND
G0 G1 G2 G3 G4 G5
GND
R0 R1 R2 R3 R4 R5
GND
SHUT
GND
HSYNC
VSYNC
TEST1
TEST2
TEST3
NC
VCC
VCC
VCC
VCC
NC
GND
GND
GND

NOTES NM is STBY

RS1/10SR***J-T

CKSRYB

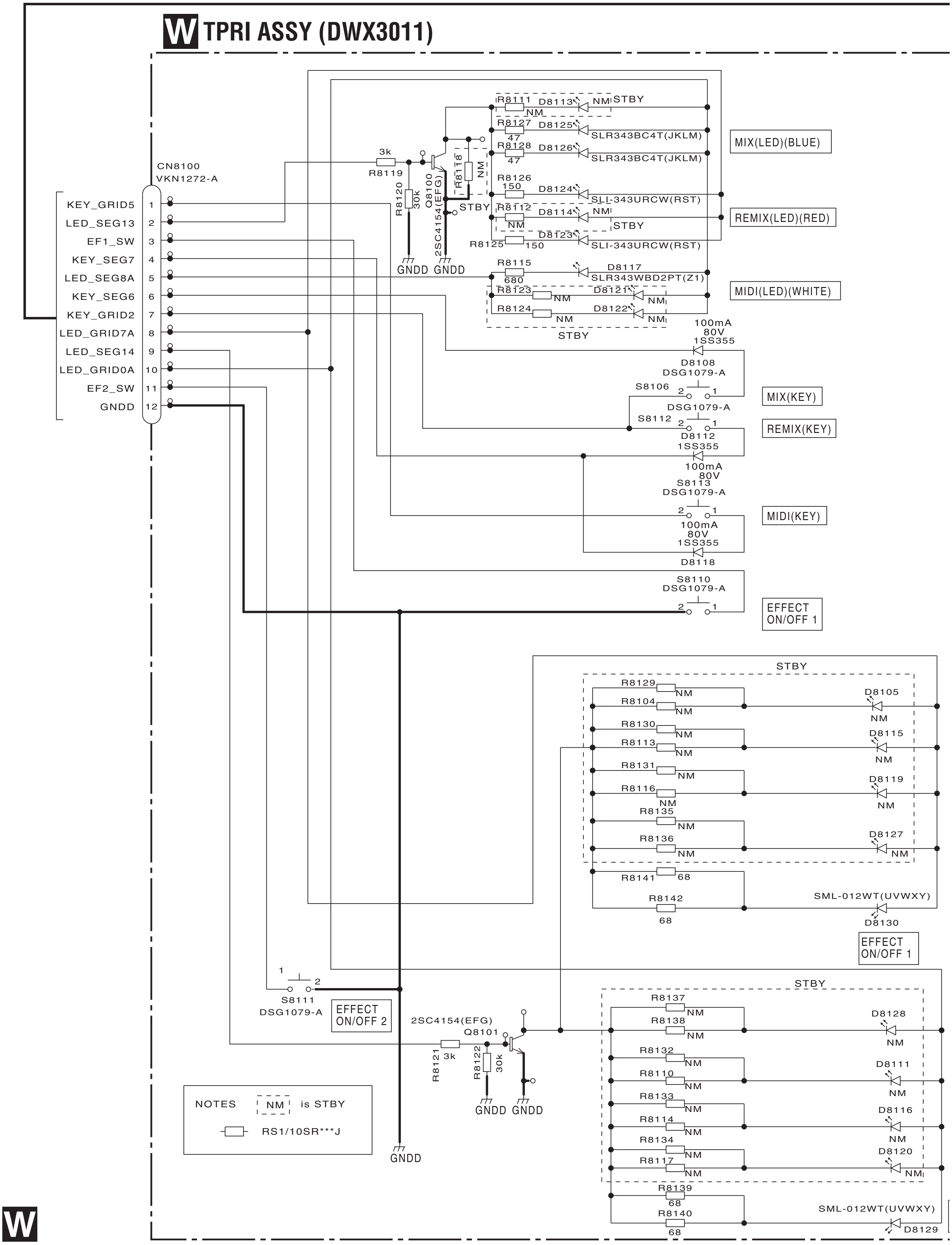
CEVW

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

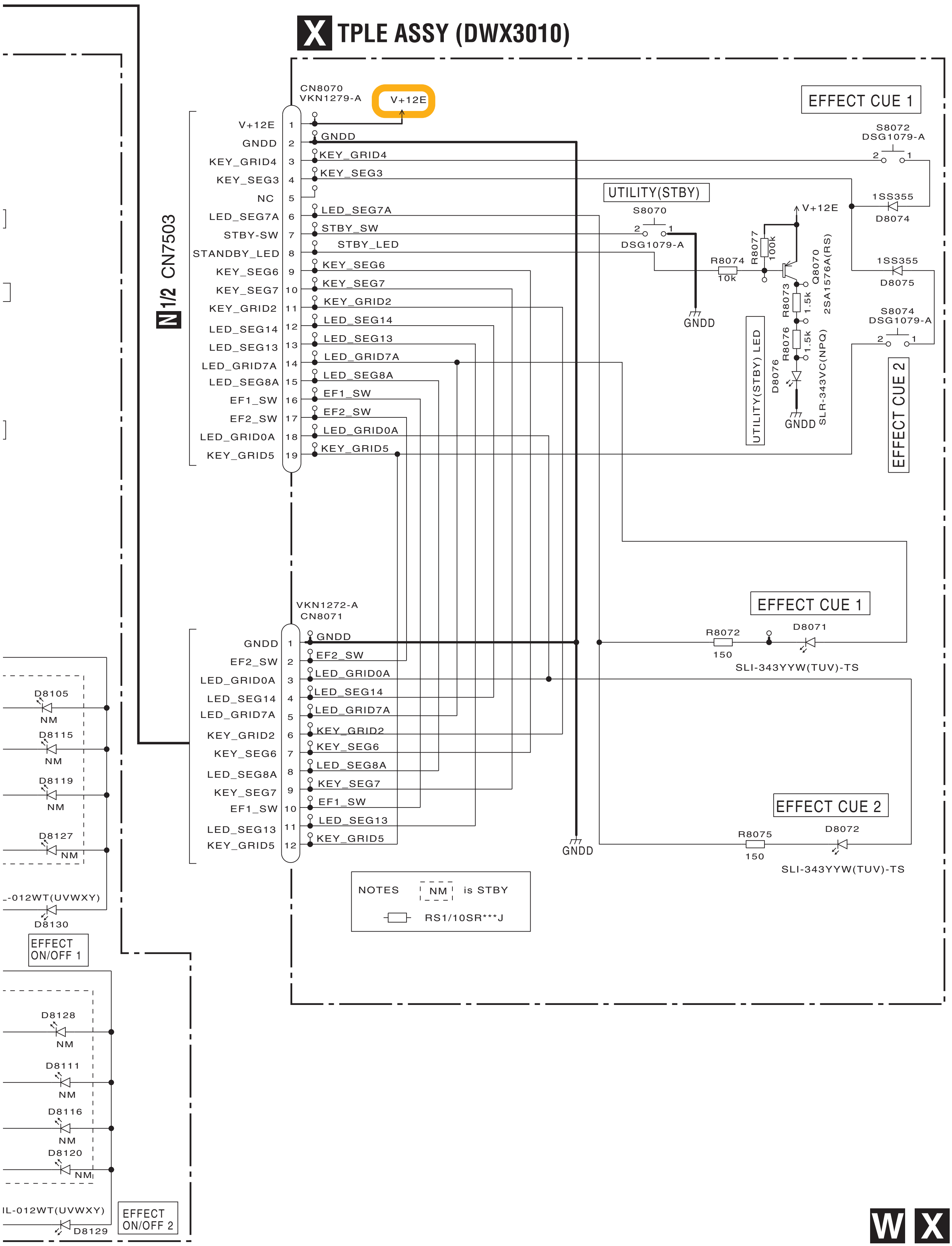
⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

TFT LCD/TOUCH PANEL

10.27 TPRI and TPLE ASSYS

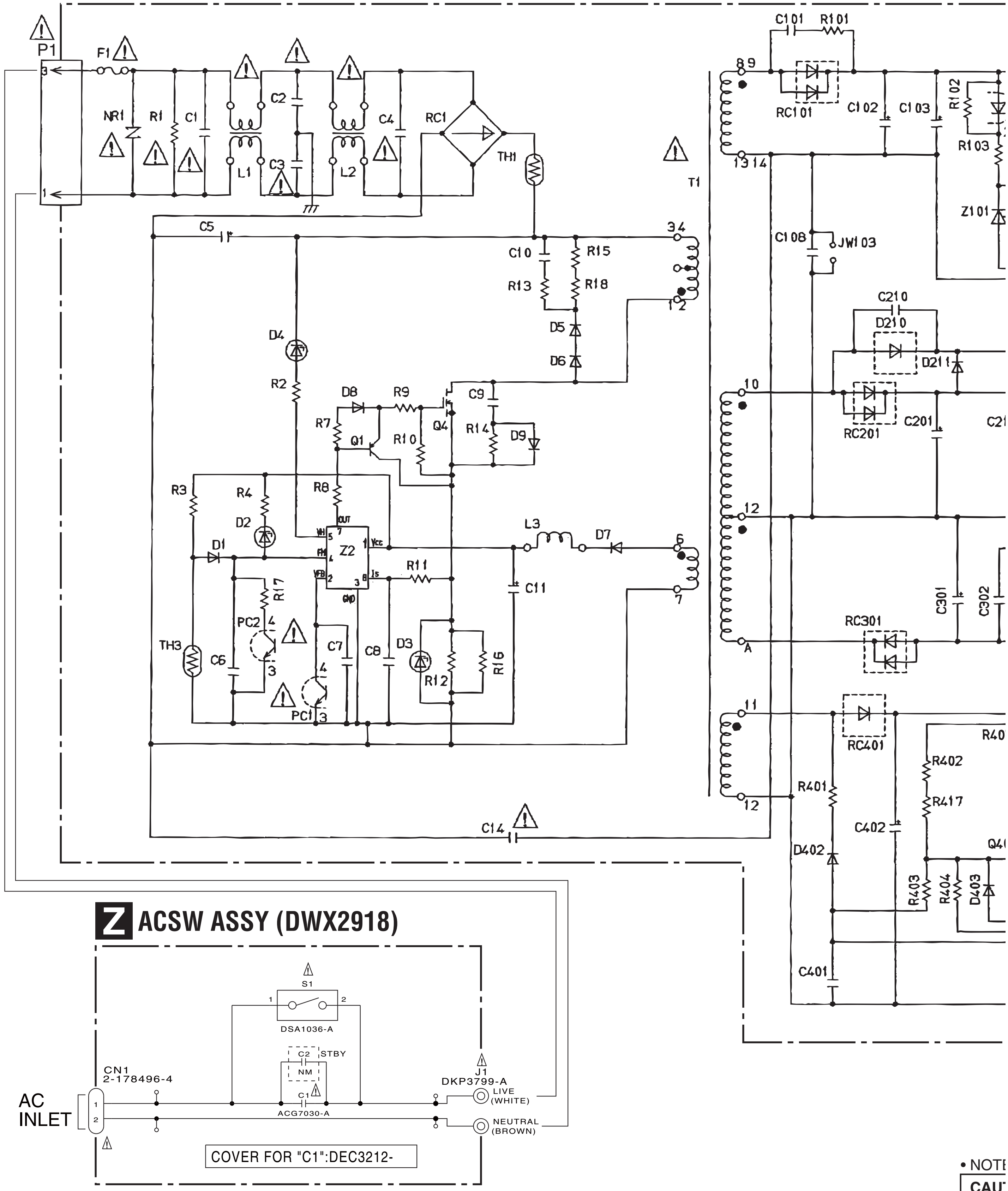

W TPRI ASSY (DWX3011)
CN8100
VKN1272-A
KEY_GRID5 1
LED_SEG13 2
EF1_SW 3
KEY_SEG7 4
LED_SEG8A 5
KEY_SEG6 6
KEY_GRID2 7
LED_GRID7A 8
LED_SEG14 9
LED_GRID0A 10
EF2_SW 11
GNDD 12
R8119 3k
R8120 30k
Q8100 2SC4154(EFG)
R8118 NM
STBY
GNDD GNDD
R8111 NM D8113 NM STBY
R8127 47 D8125 SLR343BC4T(JKLM)
R8128 47 D8126 SLR343BC4T(JKLM)
MIX(LED)(BLUE)
R8126 150 D8124 SLI-343URCW(RST)
R8112 NM D8114 NM STBY
R8125 150 D8123 SLI-343URCW(RST)
REMIX(LED)(RED)
R8115 680 D8117 SLR343WBD2PT(Z1)
R8123 NM D8121 NM
R8124 NM D8122 NM
STBY
MIDI(LED)(WHITE)
100mA 80V 1SS355 D8108
S8106 DSG1079-A 2 1
MIX(KEY)
S8112 DSG1079-A 2 1
REMIX(KEY)
D8112 1SS355 100mA 80V
S8113 DSG1079-A 2 1
MIDI(KEY)
100mA 80V 1SS355 D8118
S8110 DSG1079-A 2 1
EFFECT ON/OFF 1
STBY
R8129 NM
R8104 NM
D8105 NM
R8130 NM
R8113 NM
D8115 NM
R8131 NM
R8116 NM
D8119 NM
R8135 NM
R8136 NM
D8127 NM
R8141 68
R8142 68
SML-012WT(UVWXY)
D8130
EFFECT ON/OFF 1
1 2
S8111 DSG1079-A
EFFECT ON/OFF 2
2SC4154(EFG)
Q8101
R8121 3k
R8122 30k
GNDD GNDD
GNDD
STBY
R8137 NM
R8138 NM
D8128 NM
R8132 NM
R8110 NM
D8111 NM
R8133 NM
R8114 NM
D8116 NM
R8134 NM
R8117 NM
D8120 NM
R8139 68
R8140 68
SML-012WT(UVWXY)
D8129
NOTES NM is STBY
RS1/10SR***J

X TPLE ASSY (DWX3010)


CN8070
VKN1279-A
V+12E
GNDD
KEY_GRID4
KEY_SEG3
LED_SEG7A
STBY_SW
STBY_LED
KEY_SEG6
KEY_SEG7
KEY_GRID2
LED_SEG14
LED_SEG13
LED_GRID7A
LED_SEG8A
EF1_SW
EF2_SW
LED_GRID0A
KEY_GRID5
1 V+12E
2 GNDD
3 KEY_GRID4
4 KEY_SEG3
5 NC
6 LED_SEG7A
7 STBY-SW
8 STANDBY_LED
9 KEY_SEG6
10 KEY_SEG7
11 KEY_GRID2
12 LED_SEG14
13 LED_SEG13
14 LED_GRID7A
15 LED_SEG8A
16 EF1_SW
17 EF2_SW
18 LED_GRID0A
19 KEY_GRID5
N 1/2 CN7503
EFFECT CUE 1
S8072
DSG1079-A
2 1
1SS355
D8074
UTILITY(STBY)
S8070
DSG1079-A
V+12E
R8077
100k
R8074
10k
Q8070
2SA1576A(RS)
R8073
1.5k
R8076
1.5k
D8076
SLR-343VC(NPQ)
UTILITY(STBY) LED
GNDD
GNDD
1SS355
D8075
S8074
DSG1079-A
EFFECT CUE 2
VKN1272-A
CN8071
1 GNDD
2 EF2_SW
3 LED_GRID0A
4 LED_SEG14
5 LED_GRID7A
6 KEY_GRID2
7 KEY_SEG6
8 LED_SEG8A
9 KEY_SEG7
10 EF1_SW
11 LED_SEG13
12 KEY_GRID5
GNDD
EF2_SW
LED_GRID0A
LED_SEG14
LED_GRID7A
KEY_GRID2
KEY_SEG6
LED_SEG8A
KEY_SEG7
EF1_SW
LED_SEG13
KEY_GRID5
GNDD
EFFECT CUE 1
R8072
150
D8071
SLI-343YYW(TUV)-TS
EFFECT CUE 2
R8075
150
D8072
SLI-343YYW(TUV)-TS
NOTES
NM is STBY
RS1/10SR***J
D8105
NM
D8115
NM
D8119
NM
D8127
NM
-012WT(UVWXY)
D8130
EFFECT ON/OFF 1
D8128
NM
D8111
NM
D8116
NM
D8120
NM
IL-012WT(UVWXY)
D8129
EFFECT ON/OFF 2

10.28 POWER SUPPLY and ACSW ASSYS

Y POWER SUPPLY ASSY (DWR1473 or DWR1492)



Z ACSW ASSY (DWX2918)

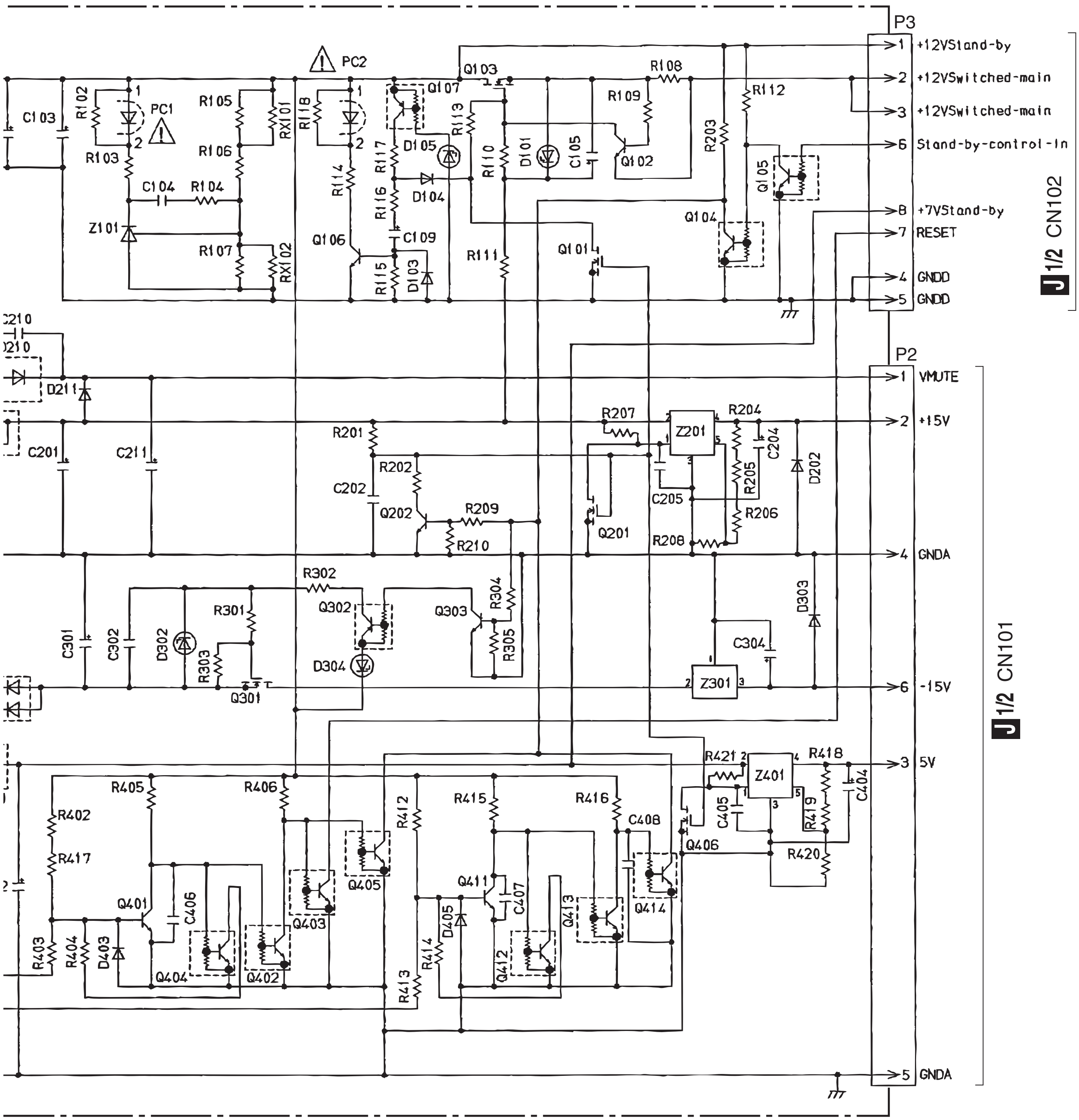
P1
F1
NR1
R1
C1
L1
C2
C3
L2
C4
RC1
TH1
T1
C5
C10
R15
R13
R18
D5
D6
D4
R2
D8
R9
C9
R7
Q1
R10
Q4
R14
D9
R3
R4
R8
D2
D1
Z2
OUT
Vcc
Vfb
GND
Is
L3
D7
R11
C11
R17
PC2
TH3
C6
C7
C8
D3
R12
R16
PC1
C14
C101
R101
RC101
C102
C103
R102
R103
Z101
C108
JW103
C210
D210
D211
RC201
C201
C301
C302
RC301
RC401
R401
R402
R417
C402
D402
R403
R404
D403
C401
3 4
1 2
8 9
13 14
10
12
6
7
A
11
S1
DSA1036-A
C2
NM
STBY
C1
ACG7030-A
CN1
2-178496-4
AC
INLET
J1
DKP3799-A
LIVE (WHITE)
NEUTRAL (BROWN)

COVER FOR "C1":DEC3212-

• NOTE

CAUT

Y Z


P3
1 +12VStand-by
2 +12VSwitched-main
3 +12VSwitched-main
6 Stand-by-control-in
8 +7VStand-by
7 RESET
4 GNDD
5 GNDD
J 1/2 CN102
P2
1 VMUTE
2 +15V
4 GNDA
6 -15V
3 5V
5 GNDA
J 1/2 CN101
PC1
PC2
C103
R102
R103
R105
R106
RX101
R104
C104
Z101
R107
RX102
R118
R114
R117
R116
R115
C109
D103
Q106
Q107
Q103
R113
D105
D104
R110
R111
D101
C105
R109
Q102
R108
R203
R112
Q105
Q104
Q101
C210
D210
D211
C201
C211
R201
R202
C202
Q202
R209
R210
R207
Z201
R204
C204
C205
R205
R206
R208
D202
Q201
R302
Q302
Q303
R304
R305
R301
D302
C302
C301
R303
Q301
D304
D303
C304
Z301
R421
Z401
R418
C405
C404
R419
R420
Q406
R405
R406
R402
R417
Q401
C406
Q404
Q402
Q403
Q405
R403
R404
D403
R412
R415
R416
C408
Q411
C407
Q413
Q414
Q412
D405
R414
R413

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

10.29 VOLTAGES

Measurement Conditoion

INPUT TERMINAL	CD/LINE/PHONO	OPEN
	DIGITAL	OPEN
	USB	OPEN
	MIC	OPEN
	RETURN	OPEN
	LAN	OPEN
	CONTROL	OPEN
OUTPUT TERMINAL	MIDI	OPEN
	MASTER1/2	OPEN
	REC OUT	OPEN
	BOOTH	OPEN
	SEND	OPEN
	HP	OPEN
MIC	MIC LEVEL	MAX
	MIC EQ HI	CENTER
	MIC EQ LOW	CENTER
	MIC SW	OFF
FADER START		ALL CH OFF
HP	MONO/ST SW	ST
	MIXING	CENTER
	HP LEVEL	MAX
CH	INPUT SELECT	CD
	DIGI/ANA SW	CD
	TRIM	MAX
	EQ HI	CENTER
	EQ MID	CENTER
	EQ LOW	CENTER
	FILTER	MAX
	FADER	ALL CH MAX
	FADER CURVE	RIGHT SIDE(LINEAR)
	CROSS FADER ASSIGN	ALL CH THRU
CROSS FADER	CROSS FADER	CENTER
	CROSS FADER CURVE	CENTER
MASTER	MASTER ATT	0 dB
	LEVEL	MAX
	BALANCE	CENTER
	MONO/ST SW	ST
BOOTH MONITOR	LEVEL	MAX
INST FX		OFF(LIGHTING)
	PARAMETER	CENTER
BEAT EFFECT	CH SELECT	M
	EFFECT SELECT	DELAY
	EFFECT FREQUENCY	ALL CENTER
	BEAT BUTTONS	1/1(BLINKING)
	LEVEL/DEPTH	CENTER
	ON/OFF	OFF(LIGTING)
TOUCH PANEL EFFECT	MIDI	OFF
	MIX	ON
	REMIX	OFF
	ON/OFF	OFF
	DISPLAY	DEFAULT
CUE BUTTONS		ALL OFF
MIDI ON/OFF		OFF
CLUB SET UP		Factory setting

VOLTAGES

A AIN1 ASSY

IC3002 (TC74VHC74FTS1)

Pin Name	Pin No.	Voltage[V]
1CLK#	1	3.42
1D	2	3.42
1CK	3	1.70
1PR#	4	3.41
1Q	5	3.41
1Q#	6	0.00
GND	7	0.00
2Q#	8	0.00
2Q	9	3.41
2PR#	10	3.41
2CK	11	1.70
2D	12	3.41
2CLR#	13	3.41
VCC	14	3.41

IC3003 (CS5381-KZ)

CH1 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.70
SCLK	4	1.69
MCLK	5	1.70
VD	6	4.75
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.18-1.53
MDIV	10	3.40
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.40
M1	14	0.00
OVFL#	15	0.03
AINL+	16	2.47
AINL-	17	2.47
GND2	18	0.00
VA	19	4.90
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.46
REFGND	23	0.00
FILT+	24	4.89

IC3302 (CS5381-KZ)

CH2 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.70
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.77
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.02-1.63
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.05
AINL+	16	2.47
AINL-	17	2.47
GND2	18	0.00
VA	19	4.90
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.46
REFGND	23	0.00
FILT+	24	4.90

IC4901 (AK5358AET)

MIC ADC

Pin Name	Pin No.	Voltage[V]
AINR	1	2.43
AINL	2	2.44
CKS1	3	0.00
VCOM	4	2.43
AGND	5	0.00
VA	6	4.89
VD	7	3.65
DGND	8	0.00
SDTO	9	1.03-1.58
LRCK	10	1.71
MCLK	11	1.71
SCLK	12	1.70
PDN	13	3.42
DIF	14	0.00
CKS2	15	0.00
CKS0	16	0.00

G AIN2 ASSY

IC3602 (CS5381-KZ)

CH3 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.71
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.77
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.12-1.60
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.05
AINL+	16	2.48
AINL-	17	2.49
GND2	18	0.00
VA	19	4.91
AINR-	20	2.48
AINR+	21	2.48
VQ	22	2.47
REFGND	23	0.00
FILT+	24	4.90

IC3903 (CS5381-KZ)

CH4 ADC

Pin Name	Pin No.	Voltage[V]
RST#	1	3.41
M/S#	2	0.00
LRCK	3	1.71
SCLK	4	1.70
MCLK	5	1.71
VD	6	4.78
GND1	7	0.00
VL	8	3.41
SDOUT	9	1.04-1.77
MDIV	10	3.41
HPF#	11	0.00
I2S/LJ#	12	0.00
M0	13	3.41
M1	14	0.00
OVFL#	15	0.04
AINL+	16	2.48
AINL-	17	2.48
GND2	18	0.00
VA	19	4.91
AINR-	20	2.47
AINR+	21	2.48
VQ	22	2.47
REFGND	23	0.00
FILT+	24	4.91

IC3902 (TC74VHC74FTS1)

Pin Name	Pin No.	Voltage[V]
1CLK#	1	3.41
1D	2	3.42
1CK	3	1.71
1PR#	4	3.41
1Q	5	3.41
1Q#	6	0.00
GND	7	0.00
2Q#	8	0.00
2Q	9	3.41
2PR#	10	3.41
2CK	11	1.71
2D	12	3.41
2CLR#	13	3.41
VCC	14	3.41

H PCIF ASSY

IC2003(S-24CS64A0I)

EEPROM

Pin Name	Pin No.	Voltage[V]
A0	1	0.00
A1	2	0.00
A2	3	0.00
GND	4	0.00
SDA	5	3.40
SCL	6	3.40
WP	7	0.00
VCC	8	3.40

IC2019(PQ200WNA1ZPH)

ETHER

Pin Name	Pin No.	Voltage[V]
VIN	1	4.93
VC	2	4.94
VO	3	3.21
VADJ	4	2.64
GND	5	0.00

IC2002 (TUSB3200ACPAH)

TUSB IC

Pin Name	Pin No.	Voltage[V]
PLLFILO	1	2.32
AVDD	2	3.41
PWMO	3	0.00
PLLO	4	0.00
DVSS1	5	0.00
PUR	6	3.40
DP	7	3.40
DM	8	0.00
DVDD1	9	3.40
MRESET#	10	3.30
TEST	11	0.00
EXTEN	12	0.00
RSTO#	13	3.40
P3.0/MCUA8	14	3.17
P3.1/MCUA9	15	3.39
DVSS2	16	0.00
XINT#	17	3.41
P3.3/MCUA10	18	3.40
P3.4/MCUALE	19	3.40
P3.5/MCUINTO#	20	3.40
DVDD2	21	3.41
NOT_USED /MCUWR#	22	0.00
PLLOEN /MCURD#	23	0.00
P1.0/MCUAD0	24	3.40
P1.1/MCUAD1	25	3.40
P1.2/MCUAD2	26	3.40
DVDDS1	27	4.94
P1.3/MCUAD3	28	3.40
P1.4/MCUAD4	29	0.01
P1.5/MCUAD5	30	0.03
P1.6/MCUAD6	31	3.40
P1.7/MCUAD7	32	3.40
DVSS3	33	0.00
CSCLK	34	0.00
CSYNC	35	0.00
CDATO	36	0.00
DVDD3	37	3.41
CDATI	38	0.00
CRESET#	39	0.00
CSCHNE	40	0.00
SDA	41	3.41
SCL	42	3.40
DVDDS2	43	4.94
MCLKO	44	1.87
MCLKO2	45	0.00
DVSS4	46	0.00
MCLKI	47	0.00
MCLKI2	48	0.00
AVSS	49	0.00
XTALO	50	1.54
XTALI	51	1.59
PLLFILI	52	0.01

H PCIF ASSY

IC2009 (RTL8201CP-LF)
ETHER

Pin Name	Pin No.	Voltage[V]
COL	1	0.01
TXEN	2	0.00
TXD3	3	0.01
TXD2	4	0.01
TXD1	5	0.01
TXD0	6	0.01
TXC	7	1.71
PWFBIN	8	1.82
LDE0/PHYAD0	9	3.40
LED1/PHYAD1	10	0.00
DGND1	11	0.00
LED2/PHYAD2	12	3.40
LED3/PHYAD3	13	0.00
DVDD33_1	14	3.40
LED4/PHYAD4	15	0.00
RXC	16	1.71
DGND2	17	0.00
RXD3	18	0.00
RXD2	19	0.00
RXD1	20	0.00
RXD0	21	0.00
RXDV	22	0.00
CRS	23	0.00
RXER/FXEN	24	0.00
MDC	25	1.61
MDIO	26	2.74
NC	27	1.81
RTSET	28	0.82
AGND1	29	0.00
TPRX-	30	1.82
TPRX+	31	1.82
PWFBOUT	32	1.82
TPTX-	33	1.82
TPTX+	34	1.82
AGND2	35	0.00
AVDD33	36	3.41
ANE	37	3.41
DUPLEX	38	3.41
SPEED	39	3.41
RPTR	40	0.00
LDPS	41	3.41
RESETB	42	3.41
ISOLATE	43	0.00
MII/SNIB/RTT3	44	3.41
DGND3	45	0.00
X1	46	0.18-3.55
X2	47	0.02-1.35
DVDD33_2	48	3.41

IC2010 (PSB6970HL-K)
ETHER

Pin Name	Pin No.	Voltage[V]
RTX	1	1.21
VDD1A	2	1.51
VDD3A	3	3.18
TXP_0	4	1.83
TXN_0	5	1.83
RXP_0	6	1.83
RXN_0	7	1.83
RXN_1	8	1.83
RXP_1	9	1.83
TXN_1	10	1.83
TXP_1	11	1.83
TXP_2	12	1.83
TXN_2	13	1.83
RXP_2	14	1.83
RXN_2	15	1.83
RXP_3	16	1.83
RXN_3	17	1.83
TXP_3	18	1.83
TXN_3	19	1.83
TXP_4	20	1.83
TXN_4	21	1.83
RXP_4	22	1.83
RXN_4	23	1.83
VDD3A	24	3.20
VDD1A	25	1.51
VCC3O1	26	3.21
CKO25M	27	1.31
LDSPD_0	28	0.00
DUPCOL0	29	0.00
LNKACT_0	30	0.00
LDSPD_1	31	0.00
DUPCOL1	32	0.00
LNKACT_1	33	0.00
VCCIK1	34	1.50
LDSPD_2	35	0.00
DUPCOL2	36	0.00
LNKACT_2	37	3.21
LDSPD_3	38	0.10
DUPCOL3	39	0.50
LNKACT_3	40	0.00
LDSPD_4	41	0.00
DUPCOL4	42	3.21
LNKACT_4	43	0.00
EDO	44	3.19
EDI	45	3.19
VCCIK2	46	1.50
EESK	47	0.00
EECS	48	0.00
INT_N	49	3.21
VCC3O2	50	3.21
VCC3O3	51	3.21
VCCIK3	52	1.50
MII_P5TXEN	53	0.00
MII_P5TXD0	54	0.00
MII_P5TXD1	55	0.00
MII_P5TXD2	56	0.00
MII_P5TXD3	57	0.00
NC	58	0.00
MII_P5TXCLK	59	1.71
VCC3O4	60	3.21
MII_P5RXCLK	61	1.71
MII_P5RXD0	62	0.00
MII_P5RXD1	63	0.00
MII_P5RXD2	64	0.00
MII_P5RXD3	65	0.00
MII_P5RXER	66	0.00
MII_P5RXDV	67	0.00
MII_P5COL	68	0.00
MII_P5CRS	69	0.00
TEST	70	0.00
MDIO	71	2.73
MDC	72	1.61
VCCIK4	73	1.50
RESETL	74	3.41
MII_P6TXEN	75	0.00
VCC3O5	76	3.21
MII_P6TXD0	77	0.00
MII_P6TXD1	78	0.00
MII_P6TXD2	79	0.00
MII_P6TXD3	80	0.00
NC	81	0.00
MII_P6TXCLK	82	1.65
MII_P6RXCLK	83	1.82
MII_P6RXD0	84	0.00
MII_P6RXD1	85	0.00
MII_P6RXD2	86	0.00
MII_P6RXD3	87	0.00
VCC3O6	88	3.21
MII_P6RXER	89	0.00
MII_P6RXDV	90	0.00
MII_P6COL	91	0.00
MII_P6CRS	92	0.00
XI	93	1.65
XO	94	0.04
VCCIK5	95	1.51
VDDPL	96	1.43
VCTRL15	97	2.58
VCTRL18	98	2.70
VFB18	99	1.78
VREF	100	1.21

I MAIN ASSY

IC1912 (AK4114VQ)
DOUT DIT

Pin Name	Pin No.	Voltage[V]
IPS0/RX4	1	1.68
NC(AVSS)	2	0.00
DIF0/RX5	3	1.69
TEST2	4	0.00
DIF1/RX6	5	1.68
NC(AVSS)	6	0.00
DIF2/RX7	7	1.68
IPS1/IIC	8	0.00
P/SN	9	0.00
XTL0	10	0.00
XTL1	11	3.42
VIN	12	0.00
TVDD	13	3.42
NC	14	0.00
TX0	15	0.00
TX1	16	1.76
BOUT	17	0.00
COUT	18	0.00
UOUT	19	1.78
VOUT	20	0.00
DVDD	21	3.42
DVSS	22	0.00
MCKO1	23	1.98
LRCK	24	1.71
SDTO	25	1.09-1.54
BICK	26	1.69
MCKO2	27	2.32
DAUX	28	1.20-1.39
XTO	29	1.50
XTI	30	1.75
PDN	31	3.42
CM0/CDTO/CAD1	32	0.00
CM1/CDTI/SDA	33	0.04
OCKS1/CCLK/SCL	34	3.24
OCKS0/CSN/CAD0	35	3.00-3.11
INT0	36	0.00
INT1	37	0.00
AVDD	38	3.42
R	39	1.20
VCOM	40	1.20
AVSS	41	0.00
RX0	42	1.69
NC(AVSS)	43	0.00
RX1	44	1.68
TEST1	45	0.00
RX2	46	1.68
NC(AVSS)	47	0.00
RX3	48	1.68

IC1001 (BA338C0WFP)
12V → 3.3V(EuP)

Pin Name	Pin No.	Voltage[V]
CTL	1	11.98
VCC	2	11.98
GND	3	0.00
OUT	4	3.30
NC	5	0.00

IC1004 (BD9326EFJ)
12V → 5V

Pin Name	Pin No.	Voltage[V]
BST	1	10.63
VIN	2	11.93
SW	3	5.08
GND	4	0.00
FB	5	0.90
COMP	6	1.16
EN	7	4.98
SS	8	2.46

IC1002 (S-1170B25UC-OTK)
3.3V → 2.5V

Pin Name	Pin No.	Voltage[V]
ON/OFF	1	3.42
VSS	2	0.00
NC	3	0.00
VIN	4	3.42
VOUT	5	2.49

IC1003 (BD9326EFJ)
12V → 3.3V

Pin Name	Pin No.	Voltage[V]
BST	1	9.07
VIN	2	11.92
SW	3	3.48
GND	4	0.00
FB	5	0.90
COMP	6	1.12
EN	7	4.97
SS	8	2.44

IC1005 (BD9326EFJ)
12V → 1.2V

Pin Name	Pin No.	Voltage[V]
BST	1	6.96
VIN	2	11.94
SW	3	5.08
GND	4	0.00
FB	5	0.90
COMP	6	1.04
EN	7	4.96
SS	8	2.43

IC1115 (TC74HC4052AFT)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	3.38
2Y	2	3.38
Y-COM	3	3.37
3Y	4	3.38
1Y	5	3.38
INH	6	0.00
VEE	7	0.00
GND	8	0.00
B	9	1.65
A	10	1.65
3X	11	3.38
0X	12	3.38
X-COM	13	2.95
1X	14	3.38
2X	15	1.69
VCC	16	3.38

I MAIN ASSY

IC1813 (CS8421-CZ)
CH2 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1817 (CS8421-CZ)
CH4 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.73
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1911 (CS8421-CZ)
BROWSE SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.76
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.72
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.92-1.93
OSCLK	13	1.70
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1302 (D610A003BPYPA225)
DSP1

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.01-3.42	71	2.56	141	3.42
2	3.42	72	3.42	142	0.00
3	1.21	73	0.00	143	1.32-1.45
4	0.00	74	2.56	144	1.32-1.42
5	3.42	75	3.37	145	1.34-1.43
6	3.42	76	1.34	146	1.31-1.39
7	0.00	77	1.74	147	1.92-1.93
8	0.00	78	1.31	148	0.00
9	3.42	79	3.36	149	1.20
10	0.00	80	1.20	150	1.24-1.28
11	1.21	81	0.00	151	3.38
12	1.76	82	0.00	152	3.37
13	0.00	83	3.01	153	1.74
14	1.21	84	3.42	154	0.00
15	0.00	85	0.00	155	1.72
16	1.73	86	0.01	156	3.42
17	0.00	87	3.42	157	1.21
18	0.00	88	0.00	158	0.00
19	1.73	89	1.20	159	1.75
20	0.00	90	2.62	160	3.42
21	1.72	91	1.20	161	1.75
22	1.21	92	0.01	162	3.42
23	0.00	93	0.01	163	0.00
24	1.72	94	0.01	164	3.41
25	3.42	95	0.01	165	3.41
26	0.00	96	1.20	166	3.41
27	0.00	97	0.00	167	3.41
28	1.76	98	3.42	168	3.41
29	1.21	99	0.01	169	1.21
30	0.00	100	0.01	170	0.00
31	0.00	101	0.01	171	1.21
32	0.00	102	3.40	172	3.42
33	0.00	103	3.42	173	0.00
34	0.00	104	1.20	174	3.42
35	1.21	105	1.21	175	0.00
36	0.00	106	0.00	176	3.42
37	0.00	107	3.42	177	1.21
38	0.00	108	2.56	178	0.00
39	0.00	109	0.00	179	0.02
40	1.21	110	2.55	180	0.00
41	0.00	111	2.98	181	1.21
42	0.00	112	2.74-2.75	182	0.00
43	1.21	113	2.57-2.57	183	3.42
44	3.42	114	3.42	184	0.01
45	0.00	115	0.00	185	3.42
46	1.20	116	1.21	186	3.42
47	3.42	117	2.54-2.55	187	3.42
48	0.00	118	2.97-2.99	188	3.42
49	0.00	119	2.75-2.76	189	0.00
50	1.21	120	2.95-2.97	190	1.21
51	1.21	121	2.75-2.75	191	3.42
52	0.00	122	0.45-0.47	192	3.42
53	1.03	123	2.75-2.78	193	3.42
54	0.00	124	1.20	194	0.00
55	3.42	125	0.00	195	1.20
56	3.42	126	3.42	196	1.20
57	2.64	127	0.37-0.40	197	0.00
58	3.42	128	2.75-2.77	198	3.41
59	0.00	129	0.45-0.48	199	0.00
60	1.21	130	2.76-2.79	200	0.01
61	3.39	131	2.74-2.79	201	1.21
62	0.41	132	2.92-2.95	202	3.42
63	2.57	133	1.20	203	0.00
64	3.34	134	0.00	204	1.76
65	3.42	135	3.42	205	3.42
66	0.00	136	0.91	206	3.42
67	1.20	137	3.41	207	0.00
68	2.58	138	3.42	208	1.20
69	2.55	139	1.72		
70	2.56	140	1.73		

IC1815 (CS8421-CZ)
CH3 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.75
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.37-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1910 (CS8421-CZ)
LAN OUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.66
XTI	2	1.76
VD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	0.85
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1811 (CS8421-CZ)
CH1 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.57
XTI	2	1.74
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1908 (CS8421-CZ)
USB OUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.56
XTI	2	1.74
VD	3	2.48
GND	4	0.00
RST#	5	0.00
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	1.61-1.72
MCLK_OUT	10	2.96
TDM_IN	11	0.00
SDOUT	12	0.00
OSCLK	13	1.70
OLRCK	14	1.70
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	3.41

IC1907 (CS8421-CZ)
DOUT SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
VD	3	2.48
GND	4	0.00
RST#	5	3.29
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.70
SDIN	9	1.62-1.84
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.19-1.32
OSCLK	13	1.67
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

IC1813 (CS8421-CZ)
CH2 SRC

Pin Name	Pin No.	Voltage[V]
XTO	1	1.55
XTI	2	1.75
CD	3	2.48
GND	4	0.00
RST#	5	3.42
BYPASS	6	0.00
ILRCK	7	1.71
ISCLK	8	1.71
SDIN	9	0.00
MCLK_OUT	10	0.01
TDM_IN	11	0.00
SDOUT	12	1.38-1.40
OSCLK	13	1.71
OLRCK	14	1.71
MS_SEL	15	0.00
GND	16	0.00
VL	17	3.42
SAOF	18	0.00
SAIF	19	0.00
SRC_UNLOCK	20	0.00

I MAIN ASSY

IC1451 (D610A003BPYPA225)

DSP2

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.01-3.15	71	3.36	141	3.42
2	3.42	72	3.42	142	0.00
3	1.21	73	0.00	143	2.58
4	0.00	74	3.36	144	3.34
5	3.42	75	3.42	145	2.64
6	3.42	76	1.97	146	2.56
7	3.42	77	1.78	147	2.84
8	0.00	78	1.75	148	0.00
9	3.42	79	3.41	149	1.22
10	0.00	80	1.22	150	3.03
11	1.22	81	0.00	151	3.37
12	1.77	82	0.00	152	2.76
13	0.00	83	3.41	153	3.41
14	1.21	84	3.42	154	0.44
15	0.00	85	0.00	155	2.76
16	1.74	86	0.01	156	0.38
17	0.00	87	3.42	157	0.38
18	0.00	88	0.00	158	0.00
19	1.74	89	1.22	159	2.73
20	0.00	90	0.00	160	2.75
21	1.71	91	0.01	161	2.73
22	1.20	92	0.01	162	3.42
23	0.00	93	0.01	163	0.00
24	1.71	94	0.54	164	2.77
25	3.42	95	0.01	165	2.76
26	0.00	96	1.22	166	2.96
27	0.00	97	0.00	167	2.53
28	1.81	98	3.42	168	2.97
29	1.22	99	0.01	169	1.22
30	0.00	100	0.01	170	0.00
31	0.00	101	0.01	171	1.22
32	0.00	102	3.42	172	2.97
33	0.00	103	3.42	173	2.56
34	0.00	104	1.22	174	2.75
35	1.21	105	1.22	175	0.00
36	0.00	106	0.00	176	0.00
37	0.00	107	3.42	177	1.22
38	1.32-1.42	108	3.38	178	0.00
39	0.00	109	3.37	179	0.03
40	1.22	110	3.37	180	0.00
41	0.00	111	3.31	181	1.22
42	0.00	112	3.28	182	0.00
43	1.22	113	3.31	183	3.42
44	3.42	114	3.42	184	0.01
45	0.00	115	0.00	185	3.42
46	1.22	116	1.22	186	3.42
47	3.42	117	3.31	187	3.42
48	0.00	118	3.31	188	3.42
49	0.00	119	3.32	189	0.00
50	1.22	120	3.31	190	1.22
51	1.22	121	3.31	191	3.42
52	0.00	122	3.31	192	3.42
53	1.22	123	3.31	193	0.00
54	0.00	124	1.22	194	0.00
55	3.42	125	0.00	195	1.22
56	3.42	126	3.42	196	1.22
57	3.42	127	3.31	197	0.00
58	3.42	128	3.31	198	3.41
59	0.00	129	3.31	199	0.00
60	1.21	130	3.31	200	0.00
61	3.41	131	3.31	201	1.22
62	0.34	132	3.31	202	3.42
63	3.13	133	1.22	203	0.00
64	3.37	134	0.00	204	1.80
65	3.42	135	3.41	205	3.42
66	0.00	136	0.00	206	3.42
67	1.22	137	3.41	207	0.00
68	3.36	138	3.42	208	1.22
69	3.36	139	0.42		
70	3.36	140	0.01		

IC1801 (DIR9001PW)

CH1 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1802 (DIR9001PW)

CH2 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1803 (DIR9001PW)

CH3 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1804 (DIR9001PW)

CH4 DIR

Pin Name	Pin No.	Voltage[V]
AUDIO#	1	0.00
FSOUT0	2	0.00
FSOUT1	3	0.00
SCKO	4	1.71
VDD	5	3.42
DGND	6	0.00
XTO	7	3.42
XTI	8	0.00
CLKST	9	0.00
LRCKO	10	1.71
BCKO	11	1.71
DOUT	12	0.00
PSCK0	13	0.00
PSCK1	14	0.00
COUT	15	0.00
UOUT	16	0.00
EMPH	17	0.00
BFRAME	18	0.00
RSV	19	0.00
RXIN	20	0.00
RST#	21	3.42
FILT	22	0.00
AGND	23	0.00
VCC	24	3.42
FMT0	25	0.00
FMT1	26	3.42
ERROR	27	3.42
CKSEL	28	0.00

IC1303 (K4S281632K-UC75)

SDRAM1

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	2.91-2.95
VDDQ1	3	3.42
DQ1	4	2.71-2.80
DQ2	5	2.75-2.80
VSSQ1	6	0.00
DQ3	7	0.45
DQ4	8	0.37-0.40
VDDQ2	9	3.42
DQ5	10	2.74-2.78
DQ6	11	2.72-2.76
VSSQ2	12	0.00
DQ7	13	2.76-2.79
VDD2	14	3.42
LDQM	15	2.55
WE#	16	3.01
CAS#	17	3.36
RAS#	18	3.37
CS#	19	3.39
BA0	20	2.61
BA1	21	0.01
A10/AP	22	0.01
A0	23	0.41
A1	24	2.57
A2	25	3.34
A3	26	2.58
VDD3	27	3.42
VSS1	28	0.00
A4	29	2.56
A5	30	2.56
A6	31	2.56
A7	32	2.55
A8	33	1.31
A9	34	0.01
A11	35	0.01
N.C	36	0.00
CKE	37	3.42
CLK	38	1.74
UDQM	39	2.56
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	2.73-2.77
VDDQ3	43	3.42
DQ9	44	2.76-2.80
DQ10	45	2.95-2.98
VSSQ3	46	0.00
DQ11	47	2.52-2.56
DQ12	48	2.97-2.98
VDDQ4	49	3.42
DQ13	50	2.95-2.99
DQ14	51	2.55-2.59
VSSQ4	52	0.00
DQ15	53	2.72-2.76
VSS3	54	0.00

I MAIN ASSY

IC1452 (K4S281632K-UC75)
SDRAM2

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.38
VDDQ1	3	3.38
DQ1	4	3.39
DQ2	5	3.38
VSSQ1	6	0.00
DQ3	7	3.37
DQ4	8	3.37
VDDQ2	9	3.42
DQ5	10	3.36
DQ6	11	3.36
VSSQ2	12	0.00
DQ7	13	3.36
VDD2	14	3.42
LDQM	15	3.37
WE#	16	3.41
CAS#	17	3.40
RAS#	18	3.41
CS#	19	3.40
BA0	20	3.15
BA1	21	0.74
A10/AP	22	0.01
A0	23	0.50
A1	24	3.11
A2	25	3.36
A3	26	3.36
VDD3	27	3.42
VSS1	28	0.00
A4	29	3.36
A5	30	3.36
A6	31	3.36
A7	32	3.35
A8	33	1.95
A9	34	0.01
A11	35	0.01
N.C	36	0.00
CKE	37	3.41
CLK	38	1.76
UDQM	39	3.37
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	3.37
VDDQ3	43	3.42
DQ9	44	3.39
DQ10	45	3.41
VSSQ3	46	0.00
DQ11	47	3.35
DQ12	48	3.41
VDDQ4	49	3.42
DQ13	50	3.41
DQ14	51	3.35
VSSQ4	52	0.00
DQ15	53	3.34-3.36
VSS3	54	0.00

IC1701 (K4S281632K-UC75)
SDRAM3L

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.25
VDDQ1	3	3.42
DQ1	4	3.31
DQ2	5	3.32
VSSQ1	6	0.00
DQ3	7	3.30
DQ4	8	3.30
VDDQ2	9	3.42
DQ5	10	3.09
DQ6	11	3.10
VSSQ2	12	0.00
DQ7	13	3.08
VDD2	14	3.42
LDQM	15	3.17
WE#	16	3.41
CAS#	17	3.39
RAS#	18	3.41
CS#	19	3.15
BA0	20	0.22
BA1	21	0.22
A10/AP	22	0.01
A0	23	0.01
A1	24	0.01
A2	25	0.01
A3	26	0.31
VDD3	27	3.42
VSS1	28	0.00
A4	29	0.22
A5	30	0.21
A6	31	0.22
A7	32	0.21
A8	33	0.22
A9	34	0.00
A11	35	0.01
N.C	36	0.00
CKE	37	3.42
CLK	38	1.76
UDQM	39	3.17
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	3.07
VDDQ3	43	3.42
DQ9	44	3.07
DQ10	45	3.06
VSSQ3	46	0.00
DQ11	47	3.32
DQ12	48	3.31
VDDQ4	49	3.42
DQ13	50	3.31
DQ14	51	3.29
VSSQ4	52	0.00
DQ15	53	3.29
VSS3	54	0.00

IC1702 (K4S281632K-UC75)
SDRAM3H

Pin Name	Pin No.	Voltage[V]
VDD1	1	3.42
DQ0	2	3.32
VDDQ1	3	3.42
DQ1	4	3.31
DQ2	5	3.32
VSSQ1	6	0.00
DQ3	7	3.30
DQ4	8	3.30
VDDQ2	9	3.42
DQ5	10	3.13
DQ6	11	3.13
VSSQ2	12	0.00
DQ7	13	3.12
VDD2	14	3.42
LDQM	15	3.18
WE#	16	3.42
CAS#	17	3.39
RAS#	18	3.41
CS#	19	3.15
BA0	20	0.22
BA1	21	0.22
A10/AP	22	0.01
A0	23	0.01
A1	24	0.01
A2	25	0.01
A3	26	0.01
VDD3	27	3.42
VSS1	28	0.00
A4	29	1.62
A5	30	1.67
A6	31	1.54
A7	32	0.07
A8	33	0.07
A9	34	0.00
A11	35	3.26
N.C	36	0.00
CKE	37	3.42
CLK	38	1.77
UDQM	39	3.30
N.C/RFU	40	0.00
VSS2	41	0.00
DQ8	42	0.00
VDDQ3	43	3.42
DQ9	44	0.01
DQ10	45	0.00
VSSQ3	46	0.00
DQ11	47	0.01
DQ12	48	0.01
VDDQ4	49	3.42
DQ13	50	0.01
DQ14	51	0.01
VSSQ4	52	0.00
DQ15	53	0.00
VSS3	54	0.00

IC1304 (MX29LV400CTTI-70G-K)
FLASH1

Pin Name	Pin No.	Voltage[V]
A15	1	0.01
A14	2	0.01
A13	3	0.01
A12	4	2.62
A11	5	0.01
A10	6	0.02
A9	7	0.01
A8	8	1.35
NC1	9	0.00
NC2	10	0.00
WE#	11	3.02
RESET#	12	3.41
NC3	13	0.00
NC4	14	0.00
RY/BY#	15	0.00
NC5	16	0.00
A17	17	0.01
A7	18	2.56
A6	19	2.55
A5	20	2.56
A4	21	2.56
A3	22	2.59
A2	23	3.34
A1	24	2.57
A0	25	0.42
CE#	26	3.42
GND1	27	0.00
OE#	28	3.36
Q0	29	2.91-2.95
Q8	30	2.74-2.76
Q1	31	2.73-2.83
Q9	32	2.78-2.80
Q2	33	2.74-2.81
Q10	34	2.96-2.98
Q3	35	0.44-0.48
Q11	36	2.52-2.58
VCC	37	3.42
Q4	38	0.37-0.40
Q12	39	2.96-2.99
Q5	40	2.74-2.79
Q13	41	2.96-2.99
Q6	42	2.74-2.75
Q14	43	2.56-2.58
Q7	44	2.76-2.80
Q15/A-1	45	2.72-2.76
GND2	46	0.00
BYTE#	47	3.42
A16	48	0.01

IC1703 (S29GL064N90TFI030)
FLASH3

Pin Name	Pin No.	Voltage[V]
A15	1	0.00
A14	2	0.00
A13	3	0.07
A12	4	0.07
A11	5	0.00
A10	6	3.25
A9	7	3.26
A8	8	0.00
A19	9	0.00
A20	10	0.00
WE#	11	3.42
RESET#	12	3.42
A21	13	0.00
WP#/ACC	14	3.42
RY/BY#	15	3.42
A18	16	0.00
A17	17	0.00
A7	18	0.07
A6	19	0.07
A5	20	0.07
A4	21	3.32
A3	22	3.32
A2	23	0.08
A1	24	0.00
A0	25	0.86
CE#	26	3.42
VSS1	27	0.00
OE#	28	3.37
DQ0	29	3.24
DQ8	30	3.08
DQ1	31	3.31
DQ9	32	3.08
DQ2	33	3.31
DQ10	34	3.06
DQ3	35	3.30
DQ11	36	3.32
VCC	37	3.42
DQ4	38	3.30
DQ12	39	3.31
DQ5	40	3.09
DQ13	41	3.30
DQ6	42	3.09
DQ14	43	3.29
DQ7	44	3.08
DQ15/A-1	45	3.29
VSS2	46	0.00
BYTE#	47	3.42
A16	48	0.00

I MAIN ASSY

IC1201(XC3S50A-4FTG256-K)
FPGA

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	0.00	3.42	2.56	2.56	2.59	2.57	-	1.74	1.70	3.40	2.56	-	2.51	2.94	3.42	0.00
B	3.42	3.42	2.56	2.56	3.42	3.34	0.00	0.42	3.42	2.674-2.745	0.00	2.18	3.42	2.75	2.93	3.42
C	3.42	1.31	0.00	0.01	0.01	0.01	-	0.01	2.62	0.01	2.56	0.06	0.440-0.450	0.00	2.71	2.70
D	1.71	3.42	0.01	0.01	0.00	3.42	0.01	0.00	3.03	-	0.00	1.93	3.37	2.75	2.73	0.53
E	1.71	-	-	3.42	0.00	3.42	-	3.42	0.00	-	3.42	0.00	2.75	2.74	3.42	-
F	1.71	0.00	-	3.42	3.42	0.00	1.80	-	1.28	2.49	2.483-2.515	3.34	2.87	-	-	-
G	1.77	1.71	-	-	-	-	1.23	0.00	1.23	0.00	1.45	0.01	-	-	0.00	-
H	1.76	3.42	1.75	-	-	-	0.00	1.23	0.00	0.80	0.05	3.42	-	0.079-0.103	0.100-0.222	2.88
J	1.94	2.01	1.75	-	3.42	-	0.00	0.00	1.23	-	-	0.054-0.132	0.01	0.07	3.42	0.195-0.313
K	3.09	0.00	3.41	-	0.00	0.00	0.00	1.23	0.00	1.23	0.07	3.26	-	0.334-0.374	0.062-0.134	0.296-0.423
L	-	-	-	-	0.00	0.85	2.593-2.620	0.00	2.60	0.04	0.00	3.42	-	-	0.00	-
M	3.10	3.42	-	0.83	0.00	3.42	0.00	0.00	3.42	-	0.539-0.574	0.00	-	-	-	-
N	3.13	3.12	3.42	3.38	3.42	3.42	-	0.00	1.71	-	0.03	-	3.26	0.089-0.241	3.42	0.482-0.701
P	3.14	2.91	0.00	3.42	0.71	-	0.00	0.00	1.71	0.00	0.03	0.927-1.212	-	0.00	0.122-0.268	0.08
R	2.93	1.29	1.29	3.42	1.26	0.00	-	3.42	1.71	0.00	0.00	3.42	0.087-0.234	3.42	0.901-1.212	0.00
T	0.00	2.91	1.71	1.27	3.30	0.00	-	1.68	1.71	0.00	0.00	3.42	3.40	0.06	3.42	1.71

IC1201(XC3S50A-4FTG256-K)
FPGA

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
A1	0.00	C15	2.71	F13	2.87	J11	-	M9	3.42	R7	-
A2	3.42	C16	2.70	F14	-	J12	0.054-0.132	M10	-	R8	3.42
A3	2.56	D1	1.71	F15	-	J13	0.01	M11	0.539-0.574	R9	1.71
A4	2.56	D2	3.42	F16	-	J14	0.07	M12	0.00	R10	0.00
A5	2.59	D3	0.01	G1	1.77	J15	3.42	M13	-	R11	0.00
A6	2.57	D4	0.01	G2	1.71	J16	0.195-0.313	M14	-	R12	3.42
A7	-	D5	0.00	G3	-	K1	3.09	M15	-	R13	0.087-0.234
A8	1.74	D6	3.42	G4	-	K2	0.00	M16	-	R14	3.42
A9	1.70	D7	0.01	G5	-	K3	3.41	N1	3.13	R15	0.901-1.212
A10	3.40	D8	0.00	G6	-	K4	-	N2	3.12	R16	0.00
A11	2.56	D9	3.03	G7	1.23	K5	0.00	N3	3.42	T1	0.00
A12	-	D10		G8	0.00	K6	0.00	N4	3.38	T2	2.91
A13	2.51	D11	0.00	G9	1.23	K7	0.00	N5	3.42	T3	1.71
A14	2.94	D12	1.93	G10	0.00	K8	1.23	N6	3.42	T4	1.27
A15	3.42	D13	3.37	G11	1.45	K9	0.00	N7	-	T5	3.30
A16	0.00	D14	2.75	G12	0.01	K10	1.23	N8	0.00	T6	0.00
B1	3.42	D15	2.73	G13	-	K11	0.07	N9	1.71	T7	-
B2	3.42	D16	0.53	G14	-	K12	3.26	N10	-	T8	1.68
B3	2.56	E1	1.71	G15	0.00	K13	-	N11	0.03	T9	1.71
B4	2.56	E2		G16	-	K14	0.334-0.374	N12	-	T10	0.00
B5	3.42	E3	-	H1	1.76	K15	0.062-0.134	N13	3.26	T11	0.00
B6	3.34	E4	3.42	H2	3.42	K16	0.296-0.423	N14	0.089-0.241	T12	3.42
B7	0.00	E5	0.00	H3	1.75	L1	-	N15	3.42	T13	3.40
B8	0.42	E6	3.42	H4	-	L2	-	N16	0.482-0.701	T14	0.06
B9	3.42	E7		H5	-	L3	-	P1	3.14	T15	3.42
B10	2.674-2.745	E8	3.42	H6	-	L4	-	P2	2.91	T16	1.71
B11	0.00	E9	0.00	H7	0.00	L5	0.00	P3	0.00		
B12	2.18	E10		H8	1.23	L6	0.85	P4	3.42		
B13	3.42	E11	3.42	H9	0.00	L7	2.593-2.620	P5	0.71		
B14	2.75	E12	0.00	H10	0.80	L8	0.00	P6	-		
B15	2.93	E13	2.75	H11	0.05	L9	2.60	P7	0.00		
B16	3.42	E14	2.74	H12	3.42	L10	0.04	P8	0.00		
C1	3.42	E15	3.42	H13	-	L11	0.00	P9	1.71		
C2	1.31	E16		H14	0.079-0.103	L12	3.42	P10	0.00		
C3	0.00	F1	1.71	H15	0.100-0.222	L13	-	P11	0.03		
C4	0.01	F2	0.00	H16	2.88	L14	-	P12	0.927-1.212		
C5	0.01	F3		J1	1.94	L15	0.00	P13	-		
C6	0.01	F4	3.42	J2	2.01	L16	-	P14	0.00		
C7	-	F5	3.42	J3	1.75	M1	3.10	P15	0.122-0.268		
C8	0.01	F6	0.00	J4	-	M2	3.42	P16	0.08		
C9	2.62	F7	1.80	J5	3.42	M3	-	R1	2.93		
C10	0.01	F8		J6	-	M4	0.83	R2	1.29		
C11	2.56	F9	1.28	J7	0.00	M5	0.00	R3	1.29		
C12	0.06	F10	2.49	J8	0.00	M6	3.42	R4	3.42		
C13	0.440-0.450	F11	2.483-2.515	J9	1.23	M7	0.00	R5	1.26		
C14	0.00	F12	3.34	J10	-	M8	0.00	R6	0.00		

I MAIN ASSY

IC1601(R5S77641N300BG-K)
uCOM C

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	0.00	0.00	0.00	0.00	1.22	0.01	0.01	3.42	3.42	3.40	3.40	3.40	3.41	3.42	3.40	3.40	0.00	0.00	0.782-0.804	1.45	2.02	0.00
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.41	3.41	3.41	3.42	3.42	3.40	3.40	3.40	3.42	0.85	3.42	0.00	1.82
C	(N.C)	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	0.04	3.42	3.40	3.42
D	0.00	0.00	0.00	3.42	0.00	0.00	0.00	0.00	0.00	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.42	3.32	3.38	2.30
E	0.00	0.00	3.42	0.00	3.42	1.22	0.00	0.00	3.42	3.42	0.00	1.22	0.00	0.00	0.00	0.00	3.42	3.42	0.21	0.22	1.80	0.05
F	0.00	0.00	3.42	3.42	3.42	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.22	2.60	2.59
G	0.00	0.00	0.00	3.42	0.00	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.01	0.00	0.00
H	1.69	0.00	0.00	3.42	3.42	-	-	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	-	-	0.00	3.10	3.11	3.12	3.13
J	0.00	1.78	1.71	0.848-0.861	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	3.31	3.09	3.30	3.30
K	0.00	0.00	1.72	3.39	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	3.30	3.31	3.30	3.32
L	0.00	0.00	1.74	3.38	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	3.29	3.29	3.31	3.32
M	3.19	0.00	0.00	3.42	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	3.30	3.30	3.18	3.18
N	1.73	1.73	0.00	3.42	3.42	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	3.42	0.00	3.30	3.09	3.10
P	0.00	3.39	3.39	0.00	0.00	-	-	12.20	0.00	0.00	0.00	0.00	0.00	0.00	12.20	-	-	0.00	0.00	0.00	3.10	3.30
R	3.40	3.42	3.39	0.00	1.22	-	-	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	-	-	0.00	0.00	0.00	3.30	3.32
T	3.40	3.41	3.40	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00	3.31	3.32
U	3.42	3.41	0.00	0.00	3.42	-	-	-	-	-	-	-	-	-	-	-	-	3.42	0.00	0.00	0.00	0.00
V	3.42	3.42	3.42	3.42	3.42	0.00	0.00	3.42	3.42	3.42	1.22	1.22	3.42	3.42	0.00	0.00	3.42	3.42	0.01	0.00	0.00	0.00
W	0.00	0.00	3.42	3.42	3.42	3.42	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	3.42	0.00	0.00	3.42	3.42
Y	0.03	0.04	3.42	3.42	3.42	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42	1.71	2.28	0.00	3.42	3.33	0.00	3.42
AA	3.42	3.42	3.42	3.42	3.42	3.41	0.00	3.39	2.69	0.53	0.15	0.57	0.26	0.57	0.26	0.00	3.42	3.42	0.00	0.00	0.00	0.00
AB	3.42	3.42	3.42	0.00	3.42	3.42	0.00	3.39	1.64	0.66	0.33	0.76	0.43	0.79	1.78	0.00	0.67	0.00	1.22	1.22	1.71	(N.C)

IC1601(R5S77641N300BG-K)
uCOM C

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
A1	0.00	B9	0.00	C17	3.40	E3	3.42	F11	-	G19	0.00	J5	3.42
A2	0.00	B10	3.41	C18	3.40	E4	0.00	F12	-	G20	0.01	J6	-
A3	0.00	B11	3.41	C19	0.04	E5	3.42	F13	-	G21	0.00	J7	-
A4	0.00	B12	3.41	C20	3.42	E6	1.22	F14	-	G22	0.00	J8	12.20
A5	1.22	B13	3.42	C21	3.40	E7	0.00	F15	-	H1	1.69	J9	0.00
A6	0.01	B14	3.42	C22	3.42	E8	0.00	F16	-	H2	0.00	J10	0.00
A7	0.01	B15	3.40	D1	0.00	E9	3.42	F17	-	H3	0.00	J11	0.00
A8	3.42	B16	3.40	D2	0.00	E10	3.42	F18	3.42	H4	3.42	J12	0.00
A9	3.42	B17	3.40	D3	0.00	E11	0.00	F19	0.00	H5	3.42	J13	0.00
A10	3.40	B18	3.42	D4	3.42	E12	1.22	F20	0.22	H6	-	J14	0.00
A11	3.40	B19	0.85	D5	0.00	E13	0.00	F21	2.60	H7	-	J15	12.20
A12	3.40	B20	3.42	D6	0.00	E14	0.00	F22	2.59	H8	12.20	J16	-
A13	3.41	B21	0.00	D7	0.00	E15	0.00	G1	0.00	H9	12.20	J17	-
A14	3.42	B22	1.82	D8	0.00	E16	0.00	G2	0.00	H10	12.20	J18	0.00
A15	3.40	C1	(N.C)	D9	0.00	E17	3.42	G3	0.00	H11	12.20	J19	3.31
A16	3.40	C2	0.00	D10	3.40	E18	3.42	G4	3.42	H12	12.20	J20	3.09
A17	0.00	C3	3.42	D11	3.40	E19	0.21	G5	0.00	H13	12.20	J21	3.30
A18	0.00	C4	0.00	D12	3.40	E20	0.22	G6	-	H14	12.20	J22	3.30
A19	0.782-0.804	C5	0.00	D13	3.40	E21	1.80	G7	-	H15	12.20	K1	0.00
A20	1.45	C6	0.00	D14	3.40	E22	0.05	G8	-	H16	-	K2	0.00
A21	2.02	C7	0.00	D15	3.40	F1	0.00	G9	-	H17	-	K3	1.72
A22	0.00	C8	0.00	D16	3.40	F2	0.00	G10	-	H18	0.00	K4	3.39
B1	0.00	C9	0.00	D17	3.40	F3	3.42	G11	-	H19	3.10	K5	0.00
B2	0.00	C10	3.40	D18	3.40	F4	3.42	G12	-	H20	3.11	K6	-
B3	0.00	C11	3.40	D19	3.42	F5	3.42	G13	-	H21	3.12	K7	-
B4	0.00	C12	3.40	D20	3.32	F6	-	G14	-	H22	3.13	K8	12.20
B5	0.00	C13	3.40	D21	3.38	F7	-	G15	-	J1	0.00	K9	0.00
B6	0.00	C14	3.40	D22	2.30	F8	-	G16	-	J2	1.78	K10	0.00
B7	0.00	C15	3.40	E1	0.00	F9	-	G17	-	J3	1.71	K11	0.00
B8	0.00	C16	3.40	E2	0.00	F10	-	G18	3.42	J4	0.848-0.861	K12	0.00

I MAIN ASSY

IC1601(R5S77641N300BG-K)
uCOM C

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
K13	0.00	M12	0.00	P11	0.00	T10	-	V9	3.42	Y8	0.00	AB7	0.00
K14	0.00	M13	0.00	P12	0.00	T11	-	V10	3.42	Y9	0.00	AB8	3.39
K15	12.20	M14	0.00	P13	0.00	T12	-	V11	1.22	Y10	0.00	AB9	1.64
K16	-	M15	12.20	P14	0.00	T13	-	V12	1.22	Y11	0.00	AB10	0.66
K17	-	M16	-	P15	12.20	T14	-	V13	3.42	Y12	0.00	AB11	0.33
K18	0.00	M17	-	P16	-	T15	-	V14	3.42	Y13	0.00	AB12	0.76
K19	3.30	M18	3.42	P17	-	T16	-	V15	0.00	Y14	0.00	AB13	0.43
K20	3.31	M19	3.30	P18	0.00	T17	-	V16	0.00	Y15	3.42	AB14	0.79
K21	3.30	M20	3.30	P19	0.00	T18	0.00	V17	3.42	Y16	1.71	AB15	1.78
K22	3.32	M21	3.18	P20	0.00	T19	0.00	V18	3.42	Y17	2.28	AB16	0.00
L1	0.00	M22	3.18	P21	3.10	T20	0.00	V19	0.01	Y18	0.00	AB17	0.67
L2	0.00	N1	1.73	P22	3.30	T21	3.31	V20	0.00	Y19	3.42	AB18	0.00
L3	1.74	N2	1.73	R1	3.40	T22	3.32	V21	0.00	Y20	3.33	AB19	1.22
L4	3.38	N3	0.00	R2	3.42	U1	3.42	V22	0.00	Y21	0.00	AB20	1.22
L5	0.00	N4	3.42	R3	3.39	U2	3.41	W1	0.00	Y22	3.42	AB21	1.71
L6	-	N5	3.42	R4	0.00	U3	0.00	W2	0.00	AA1	3.42	AB22	(N.C)
L7	-	N6	-	R5	1.22	U4	0.00	W3	3.42	AA2	3.42		
L8	12.20	N7	-	R6	-	U5	3.42	W4	3.42	AA3	3.42		
L9	0.00	N8	12.20	R7	-	U6	-	W5	3.42	AA4	3.42		
L10	0.00	N9	0.00	R8	12.20	U7	-	W6	3.42	AA5	3.42		
L11	0.00	N10	0.00	R9	12.20	U8	-	W7	0.03	AA6	3.41		
L12	0.00	N11	0.00	R10	12.20	U9	-	W8	0.00	AA7	0.00		
L13	0.00	N12	0.00	R11	12.20	U10	-	W9	0.00	AA8	3.39		
L14	0.00	N13	0.00	R12	12.20	U11	-	W10	0.00	AA9	2.69		
L15	12.20	N14	0.00	R13	12.20	U12	-	W11	0.00	AA10	0.53		
L16	-	N15	12.20	R14	12.20	U13	-	W12	0.00	AA11	0.15		
L17	-	N16	-	R15	12.20	U14	-	W13	0.00	AA12	0.57		
L18	3.42	N17	-	R16	-	U15	-	W14	0.00	AA13	0.26		
L19	3.29	N18	3.42	R17	-	U16	-	W15	0.00	AA14	0.57		
L20	3.29	N19	0.00	R18	0.00	U17	-	W16	0.00	AA15	0.26		
L21	3.31	N20	3.30	R19	0.00	U18	3.42	W17	1.93	AA16	0.00		
L22	3.32	N21	3.09	R20	0.00	U19	0.00	W18	3.42	AA17	3.42		
M1	3.19	N22	3.10	R21	3.30	U20	0.00	W19	0.00	AA18	3.42		
M2	0.00	P1	0.00	R22	3.32	U21	0.00	W20	0.00	AA19	0.00		
M3	0.00	P2	3.39	T1	3.40	U22	0.00	W21	3.42	AA20	0.00		
M4	3.42	P3	3.39	T2	3.41	V1	3.42	W22	3.42	AA21	0.00		
M5	3.42	P4	0.00	T3	3.40	V2	3.42	Y1	0.03	AA22	0.00		
M6	-	P5	0.00	T4	0.00	V3	3.42	Y2	0.04	AB1	3.42		
M7	-	P6	-	T5	0.00	V4	3.42	Y3	3.42	AB2	3.42		
M8	12.20	P7	-	T6	-	V5	3.42	Y4	3.42	AB3	3.42		
M9	0.00	P8	12.20	T7	-	V6	0.00	Y5	3.42	AB4	0.00		
M10	0.00	P9	0.00	T8	-	V7	0.00	Y6	3.41	AB5	3.42		
M11	0.00	P10	0.00	T9	-	V8	3.42	Y7	0.00	AB6	3.42		

IC1105(UPD78K0R1164)
uCOM A

Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]	Pin No.	Voltage[V]
1	0.02	21	1.62-1.94	41	0.00	61	0.00	81	3.29
2	0.02	22	0.75-1.00	42	3.37	62	0.00	82	0.00
3	0.02	23	0.69-0.93	43	3.17	63	0.00	83	2.96-3.15
4	0.02	24	0.90-1.04	44	3.28	64	0.00	84	0.04
5	0.00	25	0.73-0.94	45	0.00	65	0.00	85	0.00
6	3.26	26	0.74-0.92	46	0.00	66	0.00	86	3.24
7	3.26	27	0.79-1.03	47	3.30	67	0.00	87	3.39
8	3.26	28	1.24-1.30	48	1.65	68	3.29	88	0.01
9	0.07	29	3.30	49	1.65	69	3.27	89	0.01
10	3.39	30	3.30	50	3.38	70	3.39	90	3.30
11	3.39	31	0.72-0.95	51	0.00	71	0.00	91	0.00
12	3.39	32	0.82-1.03	52	0.00	72	3.29	92	0.00
13	3.39	33	0.08	53	0.00	73	0.01	93	0.00
14	0.00	34	0.24-0.32	54	0.00	74	0.00	94	1.71
15	0.00	35	0.01	55	0.00	75	2.16	95	0.07
16	0.00	36	0.05-0.13	56	1.61	76	0.00	96	2.46
17	0.00	37	0.06-0.13	57	2.52	77	3.39	97	0.00
18	3.42	38	0.24-0.40	58	3.37	78	0.09	98	0.00
19	1.64	39	3.30	59	1.23	79	0.94	99	3.30
20	0.00	40	0.01	60	0.00	80	3.27	100	3.30

J HAMP ASSY

IC 5604(AK4382AVT)
HP DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.78
BICK	2	1.72
SDTI	3	0.00
LRCK	4	1.71
PDN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
AOUTR-	9	2.46
AOUTR+	10	2.45
AOUTL-	11	2.46
AOUTL+	12	2.46
VSS	13	0.00
VDD	14	4.93
DZFR	15	0.00
DZFL	16	0.00

IC103(NJM78M12FA)
15V → 12V

Pin Name	Pin No.	Voltage[V]
OUT	1	11.89
COM	2	0.00
IN	3	14.83

K HREG ASSY

IC104(NJM78M09FA)
-15VA → -9VA

Pin Name	Pin No.	Voltage[V]
OUT	1	-9.00
IN	2	-14.81
COM	3	0.00

IC104(NJM78M09FA)
+15VA → +9VA

Pin Name	Pin No.	Voltage[V]
OUT	1	9.05
COM	2	0.00
IN	3	14.83

M AOUT ASSY

IC5010 (AK4390EF)
MASTER DAC

Pin Name	Pin No.	Voltage[V]
SMUTE/CSN	1	0.00
TST1/CAD0	2	0.00
DEM0/CCLK	3	0.01
DEM1/CDTI	4	0.00
DIF0/CAD1	5	0.00
DIF1/DZFL	6	4.91
DIF2	7	4.91
PSN	8	4.91
TST2/DZFR	9	0.00
AOUTRP	10	2.44
AOUTRN	11	2.44
VSS1	12	0.00
VDDR	13	4.93
VREFHR	14	4.93
VREFLR	15	0.00
VREFLL	16	0.00
VREFHL	17	4.93
VDDL	18	4.93
VSS2	19	0.00
AOUTLN	20	2.43
AOUTLP	21	2.43
VSS3	22	0.00
AVDD	23	4.92
MCLK	24	1.75
VSS4	25	0.00
DVDD	26	4.91
PDN	27	3.49
BICK	28	1.71
SDATA	29	1.65-1.80
LRCK	30	1.71

IC5201 (AK4387ET)
REC DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.71
BICK	2	1.70
SDTI	3	1.61-1.77
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.46
AOUTL	11	2.45
VCOM	12	2.45
VSS	13	0.00
AVDD	14	4.92
DVDD	15	4.87
DZF	16	0.00

IC5404 (AK5358AET)
RETURN ADC

Pin Name	Pin No.	Voltage[V]
AINR	1	2.45
AINL	2	2.45
CKS1	3	0.00
VCOM	4	2.45
AGND	5	0.00
VA	6	4.91
VD	7	3.66
DGND	8	0.00
SDTO	9	1.09-1.63
LRCK	10	1.71
MCLK	11	1.71
SCLK	12	1.70
PDN	13	3.42
DIF	14	0.00
CKS2	15	0.00
CKS0	16	0.00

IC5401 (AK4387ET)
SEND DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.72
BICK	2	1.70
SDTI	3	1.55-1.79
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.46
AOUTL	11	2.46
VCOM	12	2.45
VSS	13	0.00
AVDD	14	4.91
DVDD	15	4.87
DZF	16	0.00

IC5501 (AK4387ET)
BOOTH DAC

Pin Name	Pin No.	Voltage[V]
MCLK	1	1.72
BICK	2	1.70
SDTI	3	1.68-1.70
LRCK	4	1.71
RSTN	5	3.42
CSN	6	0.00
CCLK	7	0.00
CDTI	8	0.00
NC	9	0.00
AOUTR	10	2.45
AOUTL	11	2.45
VCOM	12	2.44
VSS	13	0.00
AVDD	14	4.92
DVDD	15	4.87
DZF	16	0.00

N PNLE ASSY

IC7501(UPD78F1162AGF-GAS-K)
CPU B

Pin Name	Pin No.	Voltage[V]	Pin Name	Pin No.	Voltage[V]
P60/SCL0	1	0.03	AVSS	51	0.03
P61/SDA0	2	0.03	P157/AIN15	52	1.68
P62	3	0.03	P156/AIN14	53	2.08
P63	4	0.03	P155/AIN13	54	2.50
P31/TI03/TO03/INTP4	5	0.03	P154/AIN12	55	2.08
P64/RD#	6	0.46	P153/AIN11	56	1.67
P65/WR0#	7	0.45	P152/AIN10	57	1.68
P66/WR1#	8	0.45	P151/AIN9	58	0.03
P67/ASTB	9	0.44	P150/AIN8	59	0.03
P77/EX23/KR7/INTP11	10	0.03	P27/AIN7	60	0.03
P76/EX22/KR6/INTP10	11	0.37	P26/AIN6	61	0.03
P75/EX21/KR5/INTP9	12	0.73	P25/AIN5	62	3.39
P74/EX20/KR4/INTP8	13	0.38	P24/AIN4	63	3.39
P73/EX19/KR3	14	0.38	P23/AIN3	64	3.39
P72/EX18/KR2	15	0.03	P22/AIN2	65	3.39
P71/EX17/KR1	16	0.73	P21/AIN1	66	3.39
P70/EX16/KR0	17	0.38-0.73	P20/AIN0	67	3.39
P06/WAIT#	18	0.01	P130	68	1.05
P95/CLKOUT	19	3.40	P131/TI06/TO06	69	0.03
EVSS1	20	0.03	P04/SCK10#/SCL1	70	0.03
P80/EX0	21	0.38	P03/SI10/RXD1/SDA1	71	0.03
P81/EX1	22	0.72	P02/SO10/TXD1	72	0.03
P82/EX2	23	0.38	P01/TO00	73	1.73
P83/EX3	24	0.39	P00/TI00	74	1.70
P84/EX4	25	0.39	P145/TI07/TO07	75	0.03
P85/EX5	26	0.38	P144/SO20/TXD2	76	0.00
P86/EX6	27	0.73	P143/SI20/RXD2/SDA2	77	0.45
P87/EX7	28	0.73	P142/SCK20#/SCL2	78	0.45
P30/INTP3/RTC1HZ	29	0.73	P141/PCLBUZ1/INTP7	79	0.44
EVDD1	30	3.40	P140/PCLBUZ0/INTP6	80	0.44
P50/EX8	31	0.51	P120/INTP0/EXLVI	81	2.17
P51/EX9	32	0.41	P47/INTP2	82	0.38
P52/EX10	33	0.51	P46/INTP1/TI05/TO05	83	0.03
P53/EX11	34	0.40	P45/SO01	84	1.89
P54/EX12	35	0.51	P44/SI01	85	0.06
P55/EX13	36	0.41	P43/SCK01#	86	2.88
P56/EX14	37	0.52	P42/TI04/TO04	87	0.08
P57/EX15	38	0.41	P41/TOOL1	88	0.04
P17/EX31/TI02/TO02	39	0.35	P40/TOOL0	89	0.04
P16/EX30/TI01/TO01/INTP5	40	9.00	RESET#	90	3.29
P15/EX29/RTCDIC/RTCCL	41	0.03	P124/XT2	91	3.39
P14/EX28/RXD3	42	0.03	P123/XT1	92	3.39
P13/EX27/TXD3	43	0.38	FLMD0	93	0.03
P12/EX26/SO00/TXD0	44	0.37	P122/X2/EXCLK	94	1.72
P11/EX25/SI00/RXD0	45	1.54	P121/X1	95	1.17
P10/EX24/SCK00#	46	0.03	REGC	96	2.49
AVREF1	47	3.31	VSS	97	0.03
P110/ANO0	48	1.64	EVSS0	98	0.00
P111/ANO1	49	1.65	VDD	99	3.41
AVREF0	50	3.29	EVDD0	100	3.41

IC7503(TC74HC4052AF)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	1.68
2Y	2	1.69
Y-COM	3	1.68
3Y	4	1.68
1Y	5	1.68
INH	6	0.02
VEE	7	0.02
GND	8	0.02
B	9	1.70
A	10	1.70
3X	11	1.68
0X	12	1.68
X-COM	13	1.67
1X	14	1.67
2X	15	1.66
VCC	16	3.32

R PNCE ASSY

IC7000(TC74HC4052AF)
MULTIPLEXER

Pin Name	Pin No.	Voltage[V]
0Y	1	1.67
2Y	2	1.64
Y-COM	3	1.70
3Y	4	1.66
1Y	5	1.82
INH	6	0.00
VEE	7	0.00
GND	8	0.00
B	9	1.62
A	10	1.64
3X	11	1.50
0X	12	1.67
X-COM	13	2.08
1X	14	1.68
2X	15	3.28
VCC	16	3.28

IC7002(NJM2903M)

Pin Name	Pin No.	Voltage[V]
OUTPUT1	1	4.87
-INPUT1	2	0.16
+INPUT1	3	3.29
GND	4	0.00
+INPUT2	5	0.00
-INPUT2	6	-0.12
OUTPUT2	7	-0.08
V	8	4.87

V TFTB ASSY

CN2403(DKN1624-A)
CONNECTOR

Pin Name	Pin No.	Voltage[V]
GND	1	0.00
GND	2	0.00
GND	3	0.00
GND	4	0.00
VDD	5	3.42
INT	6	3.41
SDA	7	3.21
SCL	8	3.27
RESET	9	0.00

CN2404(CKS560-A)
CONNECTOR

Pin Name	Pin No.	Voltage[V]
GND	1	0.00
GND	2	0.00
GND	3	0.00
NC	4	0.00
VCC	5	3.42
VCC	6	3.42
VCC	7	3.42
VCC	8	3.42
NC	9	0.00
TEST3	10	0.00
TEST2	11	0.00
TEST1	12	0.01
VSYNC	13	3.39
HSYNC	14	3.39
GND	15	0.00
SHUT	16	-0.02
GND	17	0.00
R5	18	0.00
R4	19	0.17
R3	20	0.00
R2	21	0.79-0.86
R1	22	-0.01
R0	23	0.21
GND	24	0.00
G5	25	0.18
G4	26	0.44
G3	27	0.60
G2	28	0.67
G1	29	0.00
G0	30	0.87
GND	31	0.00
B5	32	0.34
B4	33	0.57
B3	34	0.80
B2	35	0.00
B1	36	0.90
B0	37	0.00
GND	38	0.00
DCLK	39	1.62
GND	40	0.00

IC2601(TK61222CQ6)
BACKLIGHT

Pin Name	Pin No.	Voltage[V]
SW	1	12.00
NC1	2	0.00
FAULT	3	0.00-0.06
CSS	4	2.50
VIN	5	11.92
VREG	6	5.12
CLK0	7	0.20
CLK1	8	0.00
EN	9	0.00
DIM	10	2.15
RT	11	0.53
VREF	12	2.52
LED6	13	0.00
LED5	14	1.22
LED4	15	1.22
GND1	16	0.00
LED3	17	0.00
LED2	18	0.00
LED1	19	2.06
EAOUT	20	0.00
ISET	21	0.52
NC2	22	0.00
PGND	23	0.00
OVP	24	1.20

10.30 WAVEFORMS

■ Measurement Conditoion

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Other Settings	Other Settings
IN	CD	CH1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	LINE	CH2/3	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	PHONO	CH1/4	-40 dB	1K	-	TRIM LEVEL VR Center	-
IN	DIGITAL	CH1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	MIC	MIC	-40 dB	1K	-	TRIM LEVEL VR MAX	Center all EQs
IN	RETURN	RETURN	0 dB	1K	-	Level/Depth VR Center	-
IN	USB	USB1/2/3/4	0 dB	1K	-	TRIM LEVEL VR Center	-
IN	*LAN	COMPUTER1 /CH4	-	-	-	COMPUTER1: Connect with PC CH4: Connect with CDJ-2000	-
OUT	MASTER1/2	CH1/CD	0 dB	1K	10 kΩ	MASTER LEVEL VR Center	Center all EQs/FADER Max
OUT	BOOTH	CH1/CD	0 dB	1K	10 kΩ	BOOTH LEVEL VR Center	Center all EQs/FADER Max
OUT	REC	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	SEND	CH1/CD	0 dB	1K	10 kΩ		Center all EQs/FADER Max
OUT	HP	CH1/CD	0 dB	1K	32 Ω	HP LEVEL Center	Center all EQs/FADER Max
OUT	DIG OUT	CH1/CD	0 dB	1K	75 Ω		Center all EQs/FADER Max

* CLUB SET UP: Factory setting

*For measurement of LAN AUDIO DATA, input a 1-kHz, 0-dB signal from the PC, using the LINK monitor function, for the INPUT line.
For the OUTPUT line, input a 1-kHz, 0-dB signal to MIC, using the LIVE SAMPLER function.

Measure the output waveforms at the CH1 CD input.

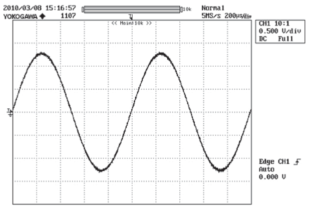
Switch Type Setting

MASTER ATT : 0 dB
MONO/ST(HP) : ST
MON/ST(MASTER) : ST
CH FADER CURVE : Right side (linear)
CROSS FADER CURVE : Center
CROSS FADER ASSIGN : THRU
MIC SW : ON
MASTER CUE : ON
FILTER : MIN
ISOLATOR : EQ

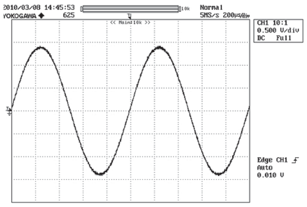
A AIN1 ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

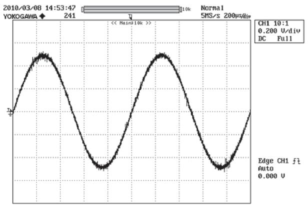
① **R4944_TP (PHONO1_L)**
V: 0.5 V/div. H: 200 µS/div.



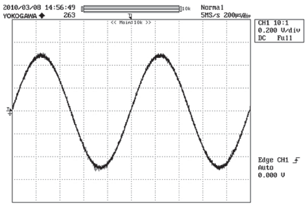
② **C4937_TP (LINE1_L)**
V: 0.5 V/div. H: 200 µS/div.



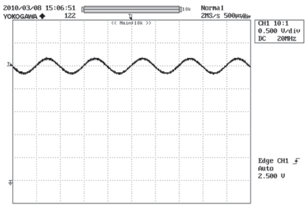
③ **CN3000 - pin 5_TP**
V: 0.2 V/div. H: 200 µS/div.



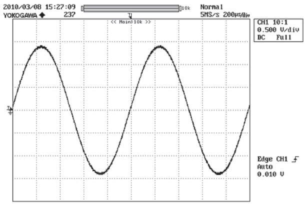
④ **IC3004 - pin 1_TP-R3040**
V: 0.2 V/div. H: 200 µS/div.



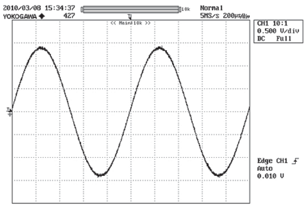
⑤ **R3096_TP (L-)**
V: 0.5 V/div. H: 500 µS/div.



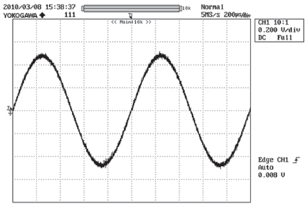
⑥ **R4952_TP (CD2_L)**
V: 0.5 V/div. H: 200 µS/div.



⑦ **RY3301 - pin 7**
V: 0.5 V/div. H: 200 µS/div.



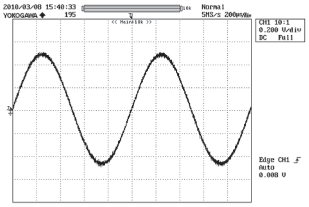
⑧ **CN3300 - pin 5_TP**
V: 0.2 V/div. H: 200 µS/div.



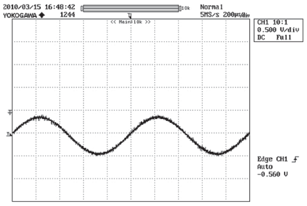
A AIN1 ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

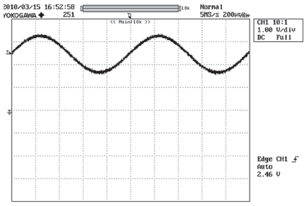
⑨ **IC3303 - pin 1_TP**
V: 0.2 V/div. H: 200 µS/div.



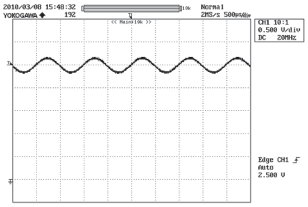
⑪ **IC4900 - pin 1_TP (MIC1_IN)**
V: 0.5 V/div. H: 200 µS/div.



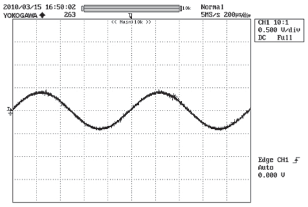
⑬ **C4917_TP (MIC ADC IN)**
V: 1 V/div. H: 200 µS/div.



⑩ **D3303_TP**
V: 0.5 V/div. H: 500 µS/div.

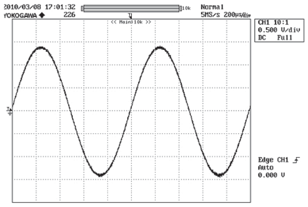


⑫ **VR4900 - pin 2_TP**
V: 0.5 V/div. H: 200 µS/div.

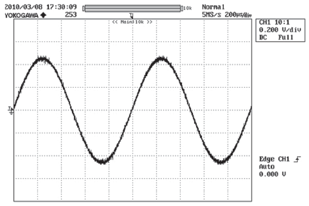


G AIN2 ASSY

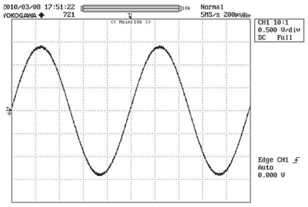
① **R4206_TP (CD3_L)**
V: 0.5 V/div. H: 200 µS/div.



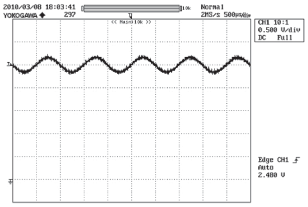
④ **IC3603 - pin 1_TP**
V: 0.2 V/div. H: 200 µS/div.



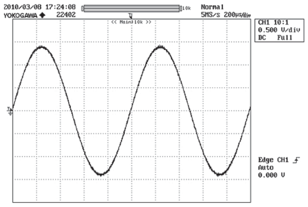
⑦ **C4228 (C4228-R4212)**
V: 0.5 V/div. H: 200 µS/div.



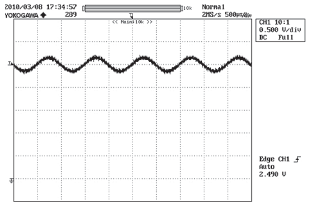
⑩ **D3902_TP**
V: 0.5 V/div. H: 500 µS/div.



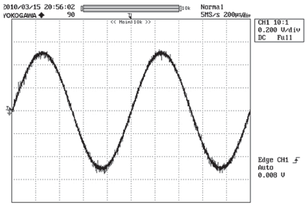
② **C4224_pin 1**
V: 0.5 V/div. H: 200 µS/div.



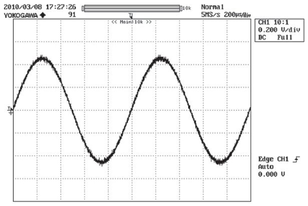
⑤ **R3700_TP**
V: 0.5 V/div. H: 500 µS/div.



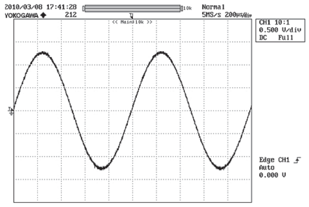
⑧ **CN3900 - pin 5**
V: 0.2 V/div. H: 200 µS/div.



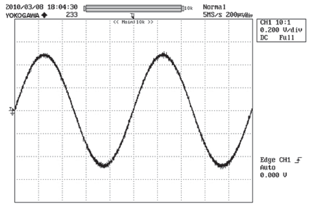
③ **CN3600 - pin 5**
V: 0.2 V/div. H: 200 µS/div.



⑥ **C4226 - pin 2 (C4226-R4210)**
V: 0.5 V/div. H: 200 µS/div.



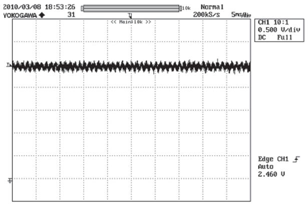
⑨ **IC3904 - pin 1_TP-R3940**
V: 0.2 V/div. H: 200 µS/div.



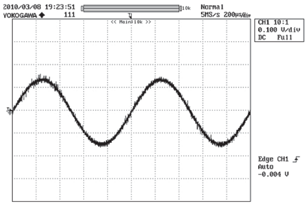
M AOUT ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

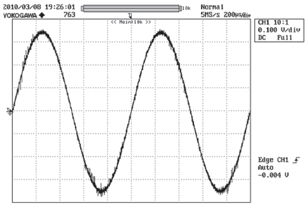
① IC5010_pin 21_TP
V: 0.5 V/div. H: 5 mS/div.



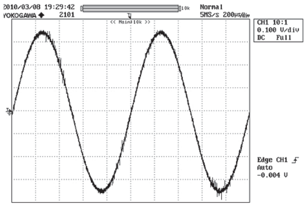
② R5064
V: 0.1 V/div. H: 200 µS/div.



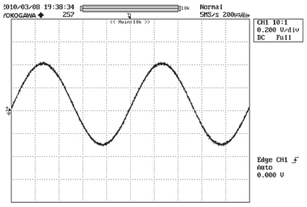
③ R5130
V: 0.1 V/div. H: 200 µS/div.



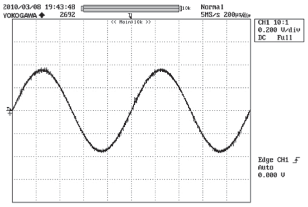
④ RY5001_pin 7 - R5254 (Thru hole)
V: 0.1 V/div. H: 200 µS/div.



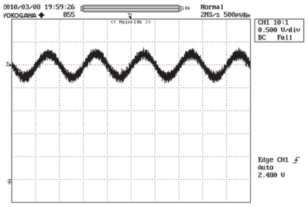
⑤ C5220 - C5216 (Thru hole) (MASTER2_L)
V: 0.2 V/div. H: 200 µS/div.



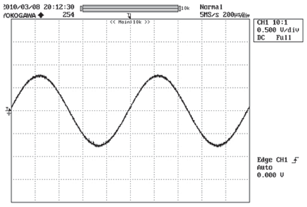
⑥ R5243 (R5243-C5236) (MASTER2_L)
V: 0.2 V/div. H: 200 µS/div.



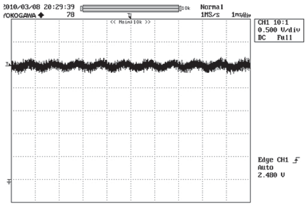
⑦ IC5201 - pin 11 - C5241 (Thru hole)
V: 0.5 V/div. H: 500 µS/div.



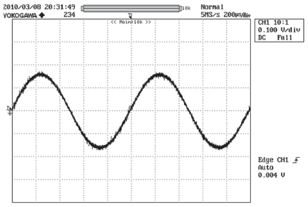
⑧ C5222 - R5229 (Thru hole) (REC_L)
V: 0.5 V/div. H: 200 µS/div.



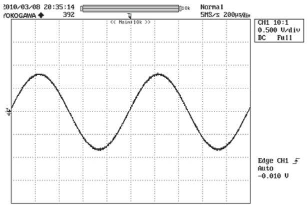
⑨ IC5501 - pin 11 - C5507 (Thru hole)
V: 0.5 V/div. H: 1 mS/div.



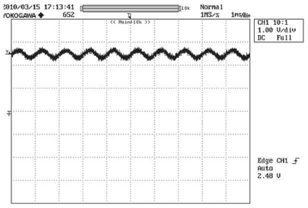
⑩ IC5502 - pin 1
V: 0.1 V/div. H: 200 µS/div.



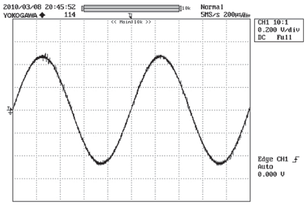
⑪ IC5503 - pin 1
V: 0.5 V/div. H: 200 µS/div.



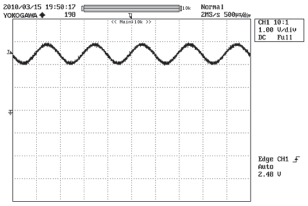
⑫ IC5401 - pin 11 - C5411 (Thru hole)
V: 1 V/div. H: 1 mS/div.



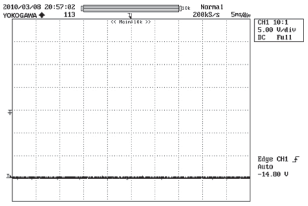
⑬ C5437 - Q5403 (Thru hole) (SEND_L)
V: 0.2 V/div. H: 200 µS/div.



⑭ C5422 - D5402 (Thru hole)
V: 1 V/div. H: 500 µS/div.

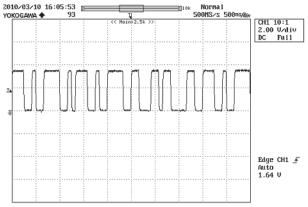


⑮ R5598_TP (MUTE)
V: 5 V/div. H: 5 mS/div.

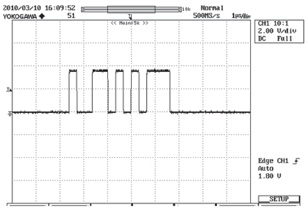


H PCIF ASSY

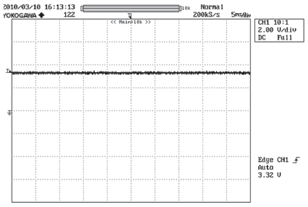
① D2001_pin 2
V: 2 V/div. H: 500 nS/div.



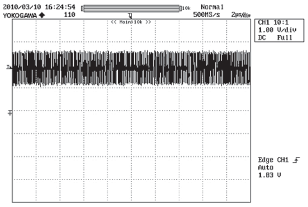
② CN2001 - pin 11_TP
V: 2 V/div. H: 1 µS/div.



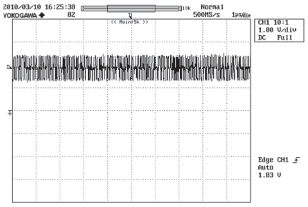
③ R2015_TP (USB_RESET)
V: 2 V/div. H: 5 mS/div.



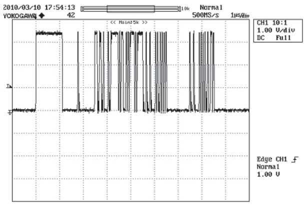
④ R2082
V: 1 V/div. H: 2 µS/div.



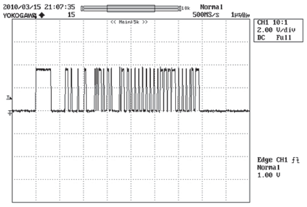
⑤ R2084
V: 1 V/div. H: 1 µS/div.



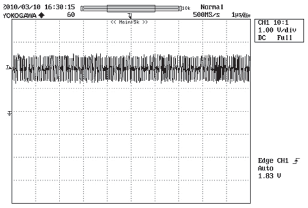
⑥ IC2009 - pin 6_TP
V: 1 V/div. H: 1 µS/div.



⑦ IC2009 - pin 22_TP
V: 2 V/div. H: 1 µS/div.



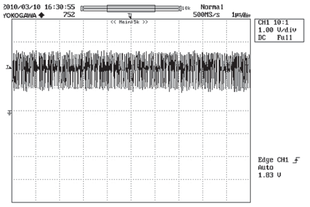
⑧ R2077
V: 1 V/div. H: 1 µS/div.



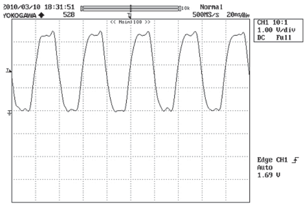
H PCIF ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

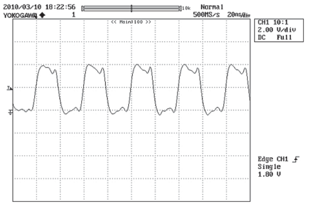
⑨ **R2075**
V: 1 V/div. H: 1 μS/div.



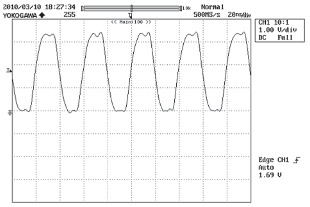
⑪ **IC2010 - pin 93_TP**
V: 1 V/div. H: 20 nS/div.



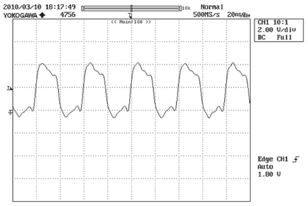
⑬ **IC2009 - pin 16_TP**
V: 2 V/div. H: 20 nS/div.



⑩ **IC2009 - pin 46_TP**
V: 1 V/div. H: 20 nS/div.

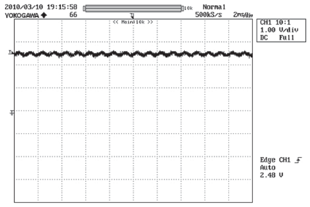


⑫ **IC2009 - pin 7_TP**
V: 2 V/div. H: 20 nS/div.

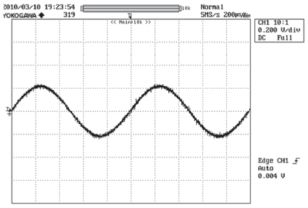


J HAMP ASSY

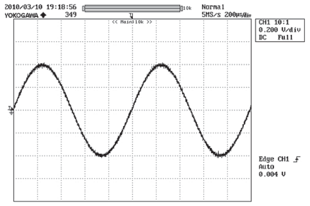
① **IC5604 - pin 12_TP (AOUTL+)**
V: 1 V/div. H: 2 mS/div.



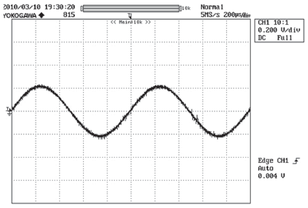
③ **R5761 - R5764_(R5764)**
V: 0.2 V/div. H: 200 μS/div.



② **C5618 - R5736_(R5736)**
V: 0.2 V/div. H: 200 μS/div.

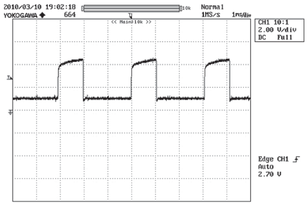


④ **CN5602_pin 1**
V: 0.2 V/div. H: 200 μS/div.

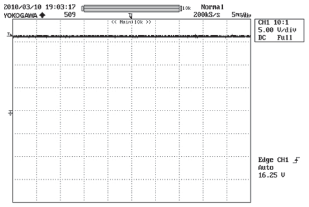


V TFTB ASSY

① **CN2601 - pin 4_TP (LED1)**
V: 2 V/div. H: 1 mS/div.



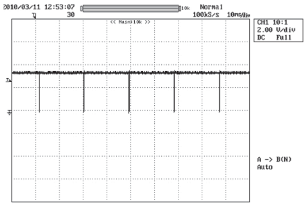
② **CN2601 - pin 6 (ANODE2)**
V: 5 V/div. H: 5 mS/div.



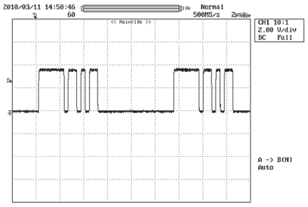
I MAIN ASSY

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

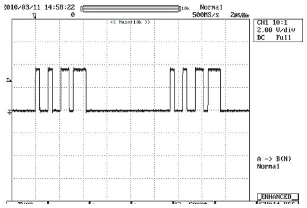
① **CN1103_pin 23_TP (MIDI_TXD)**
V: 2 V/div. H: 10 mS/div.



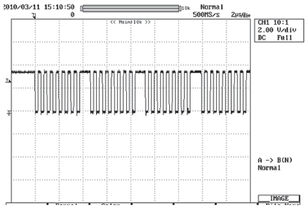
② **CN1103_pin 19_TP (USB_DOUT)**
V: 2 V/div. H: 2 µS/div.



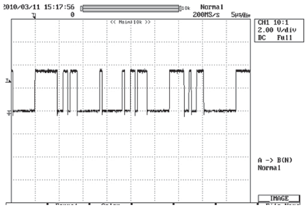
③ **CN1103_pin 16_TP (USB_DIN1)**
V: 2 V/div. H: 2 µS/div.



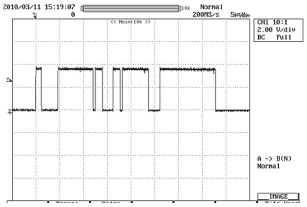
④ **CN1101_pin 13_TP**
V: 2 V/div. H: 2 µS/div.



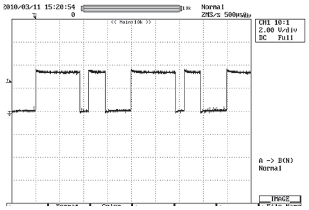
⑤ **CN1101_pin 14_TP**
V: 2 V/div. H: 5 µS/div.



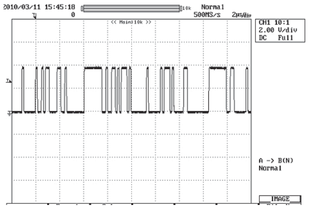
⑥ **CN1101_pin 15_TP**
V: 2 V/div. H: 5 µS/div.



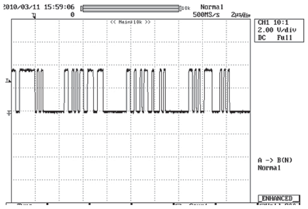
⑦ **CN1101_pin 16_TP**
V: 2 V/div. H: 500 µS/div.



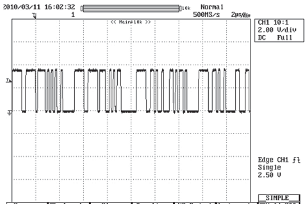
⑧ **CN1106_pin 2_TP**
V: 2 V/div. H: 2 µS/div.



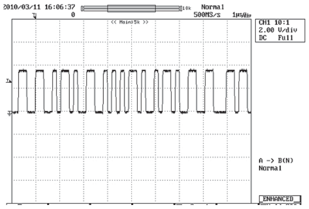
⑨ **CN1106_pin 5_TP**
V: 2 V/div. H: 2 µS/div.



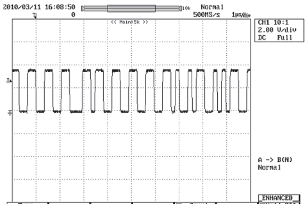
⑩ **CN1106_pin 18_TP**
V: 2 V/div. H: 2 µS/div.



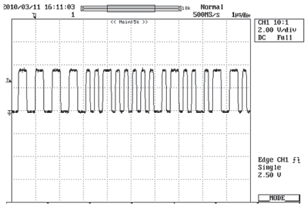
⑪ **CN1104_pin 8_TP**
V: 2 V/div. H: 1 µS/div.



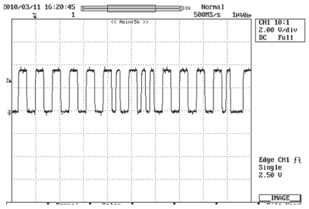
⑫ **CN1104_pin 9_TP**
V: 2 V/div. H: 1 µS/div.



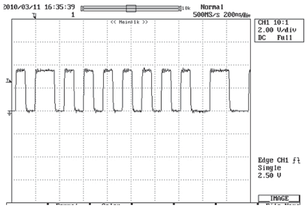
⑬ **CN1104_pin 10_TP**
V: 2 V/div. H: 1 µS/div.



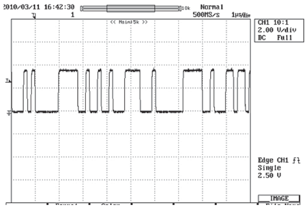
⑭ **CN1104_pin 11_TP**
V: 2 V/div. H: 1 µS/div.



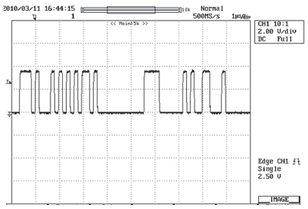
⑮ **CN1104_pin 12_TP**
V: 2 V/div. H: 200 nS/div.



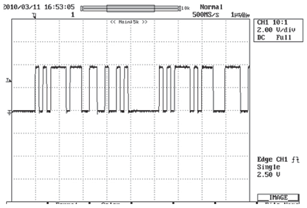
⑯ **CN1104_pin 17_TP**
V: 2 V/div. H: 1 µS/div.



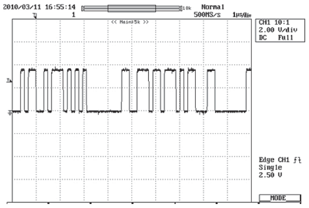
⑰ **CN1104_pin 20_TP**
V: 2 V/div. H: 1 µS/div.



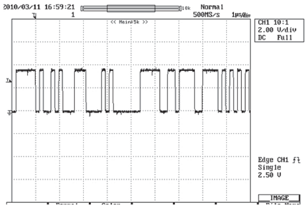
⑱ **CN1105_pin 16_TP**
V: 2 V/div. H: 1 µS/div.



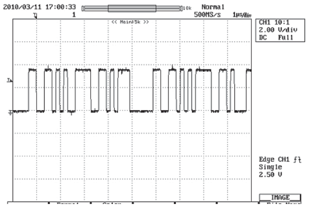
⑲ **CN1105_pin 17_TP**
V: 2 V/div. H: 1 µS/div.



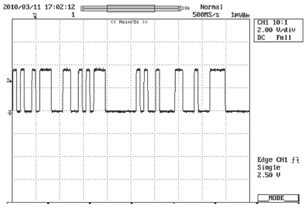
⑳ **CN1105_pin 18_TP**
V: 2 V/div. H: 1 µS/div.



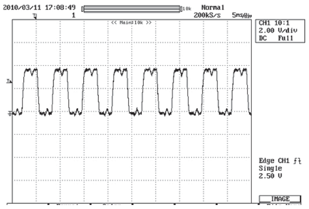
㉑ **CN1105_pin 19_TP**
V: 2 V/div. H: 1 µS/div.



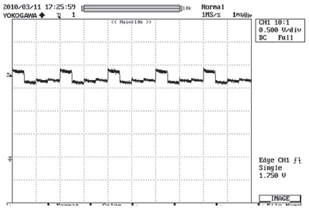
㉒ **CN1105_pin 20_TP**
V: 2 V/div. H: 1 µS/div.



㉓ **R1106**
V: 2 V/div. H: 5 mS/div.



㉔ **R1138**
V: 0.5 V/div. H: 1 mS/div.



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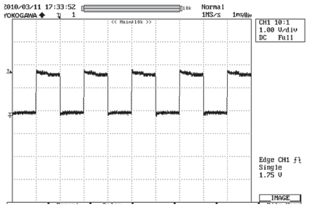
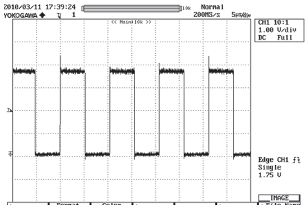
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

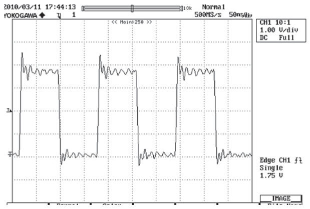
㉕ **R1139**
V: 1 V/div. H: 1 mS/div.



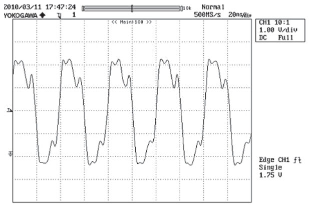
㉖ **R1203**
V: 1 V/div. H: 5 µS/div.



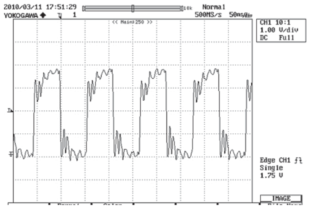
㉗ **R1207**
V: 1 V/div. H: 50 nS/div.



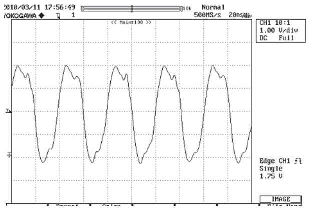
㉘ **R1211**
V: 1 V/div. H: 20 nS/div.



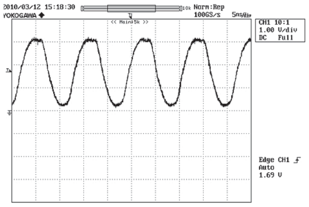
㉙ **R1215 - R1216**
V: 1 V/div. H: 50 nS/div.



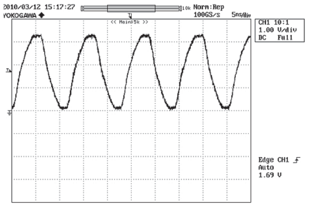
㉚ **R1145**
V: 1 V/div. H: 20 nS/div.



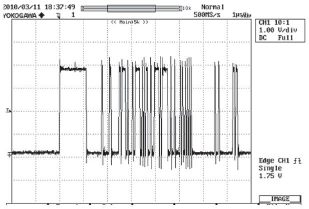
㉛ **R1592 (Thru hole)**
V: 1 V/div. H: 5 nS/div.



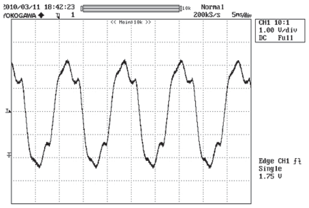
㉜ **R1417 (Thru hole)**
V: 1 V/div. H: 5 nS/div.



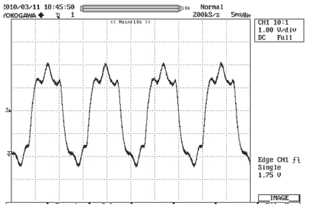
㉝ **CN1601_pin 22_TP**
V: 1 V/div. H: 1 µS/div.



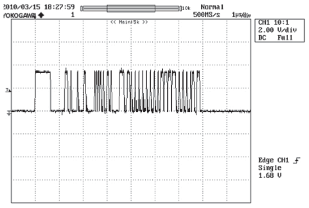
㉞ **CN1601_pin 20_TP**
V: 1 V/div. H: 5 mS/div.



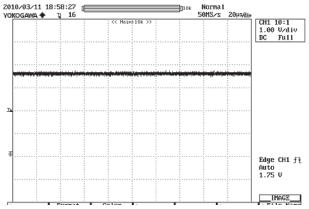
㉟ **CN1601_pin 18_TP**
V: 1 V/div. H: 5 mS/div.



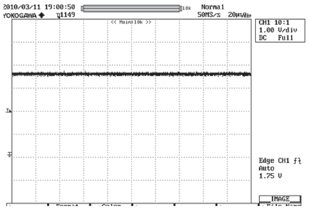
㊱ **CN1601_pin 13_TP**
V: 2 V/div. H: 1 µS/div.



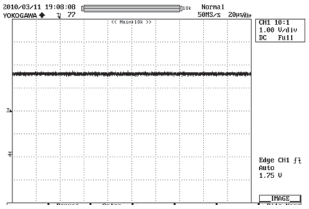
㊲ **R1232**
V: 1 V/div. H: 20 µS/div.



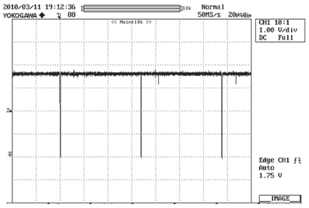
㊳ **R1213**
V: 1 V/div. H: 20 µS/div.



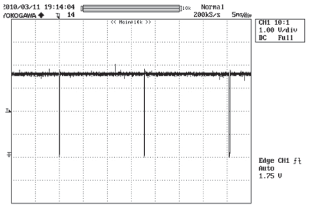
㊴ **R1217**
V: 1 V/div. H: 20 µS/div.



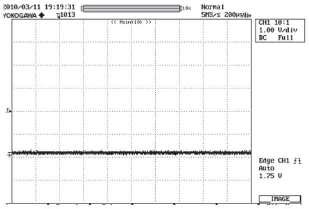
㊵ **CN1602_pin 2_TP**
V: 1 V/div. H: 20 µS/div.



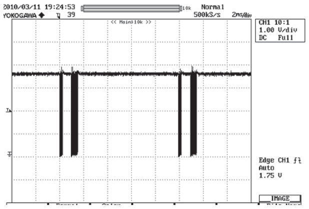
㊶ **CN1602_pin 1_TP**
V: 1 V/div. H: 5 mS/div.



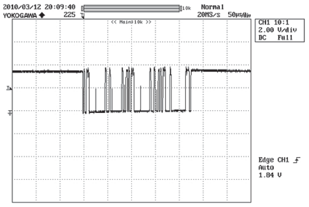
㊷ **CN1605_pin 12_TP**
V: 1 V/div. H: 200 µS/div.



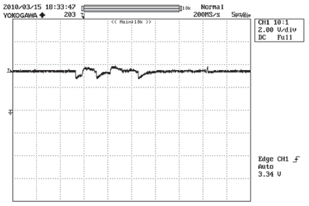
㊸ **CN1605_pin 11_TP**
V: 1 V/div. H: 2 mS/div.



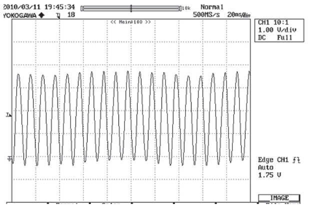
㊹ **CN1605_pin 10_TP**
V: 2 V/div. H: 50 µS/div.



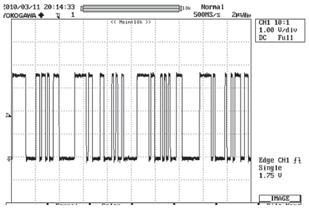
㊺ **CN1605_pin 9_TP**
V: 2 V/div. H: 5 µS/div.



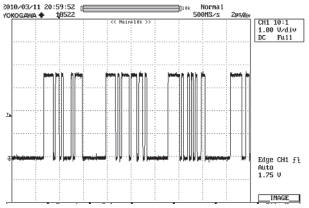
㊻ **R1632**
V: 1 V/div. H: 20 nS/div.



㊼ **R1861**
V: 1 V/div. H: 2 µS/div.



㊽ **R1867**
V: 1 V/div. H: 2 µS/div.



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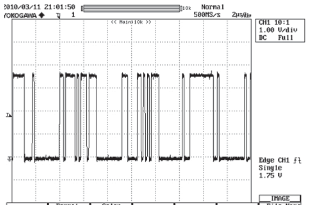
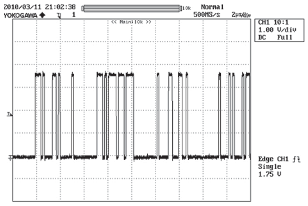
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

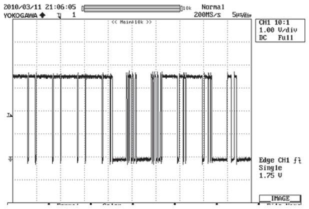
㊾ **R1873**
V: 1 V/div. H: 2 µS/div.



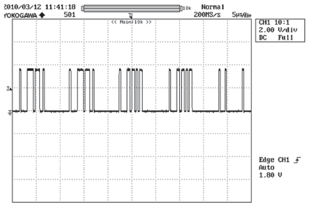
㊿ **R1879**
V: 1 V/div. H: 2 µS/div.



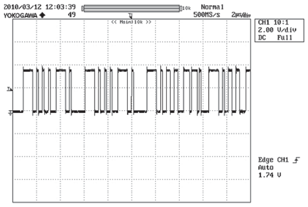
(51) **IC1907 - pin 9**
V: 1 V/div. H: 5 µS/div.



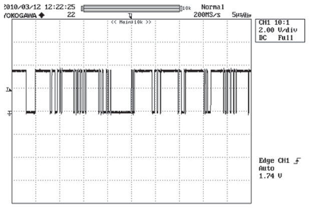
(52) **IC1911-pin 9 - R1956(R1956 side)**
V: 2 V/div. H: 5 µS/div.



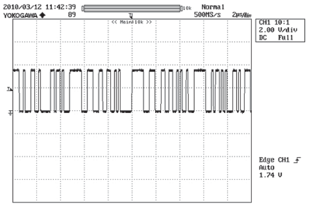
(53) **IC1910 - pin 9 (Thru hole)**
V: 2 V/div. H: 2 µS/div.



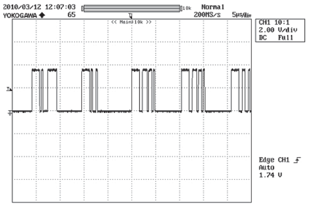
(54) **IC1908 - pin 9**
V: 2 V/div. H: 5 µS/div.



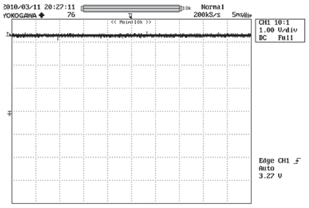
(55) **R1971**
V: 2 V/div. H: 2 µS/div.



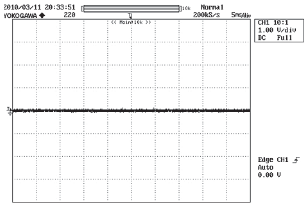
(56) **R1952**
V: 2 V/div. H: 5 µS/div.



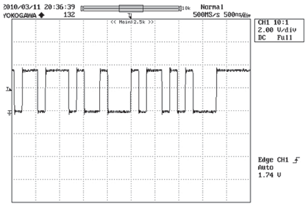
(57) **CN1001_pin 6 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



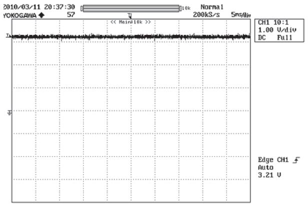
(58) **CN1002_pin 2 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



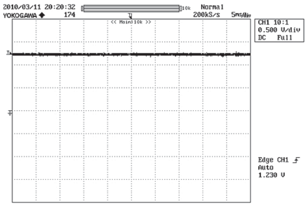
(59) **CN1002_pin 11 (Thru hole)**
V: 2 V/div. H: 500 nS/div.



(60) **CN1002_pin 12 (Thru hole)**
V: 1 V/div. H: 5 mS/div.



(61) **R1045 - R2081 (Thru hole)**
V: 0.5 V/div. H: 5 mS/div.

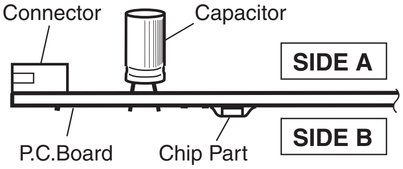


11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

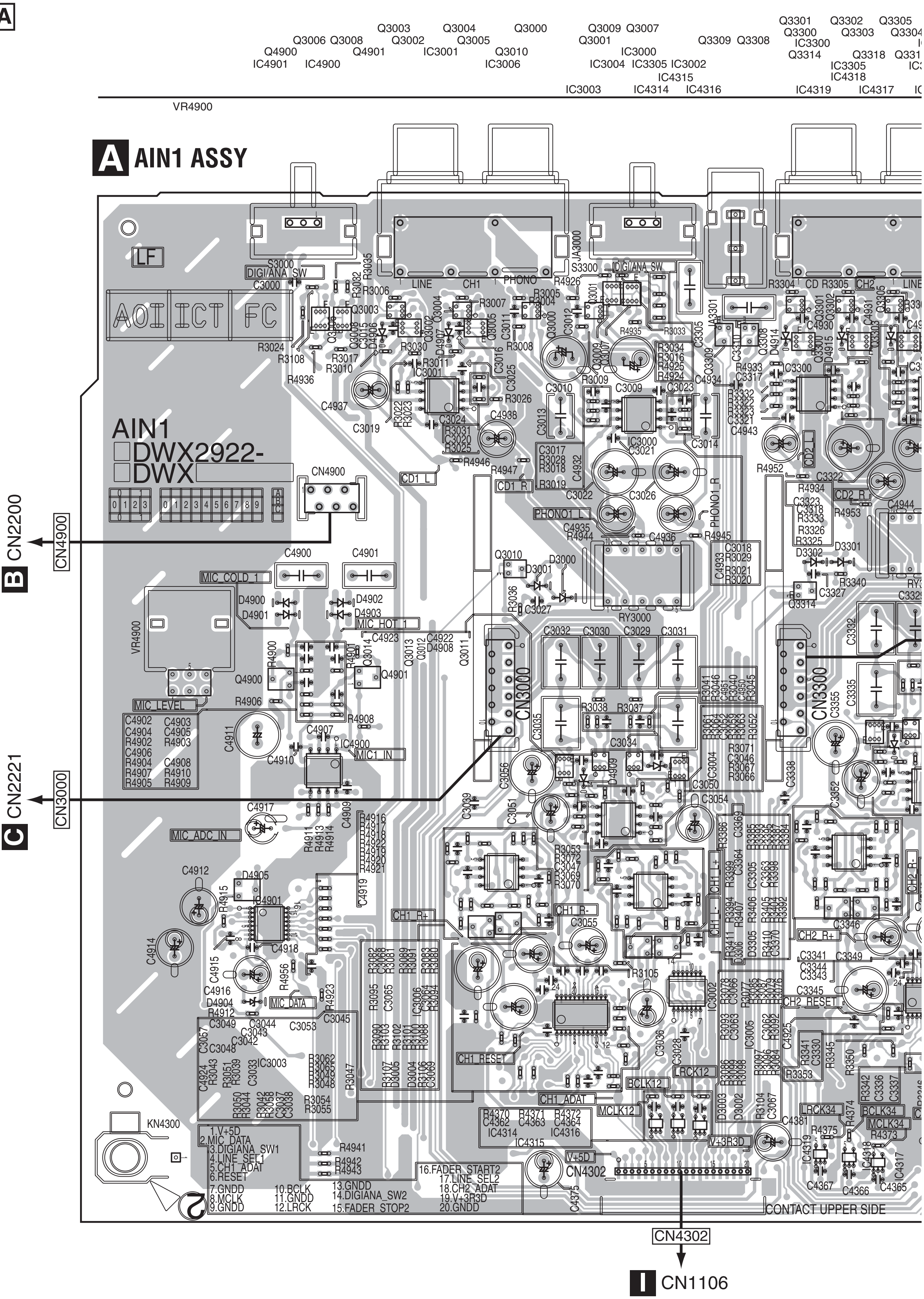
1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

2. View point of PCB diagrams.

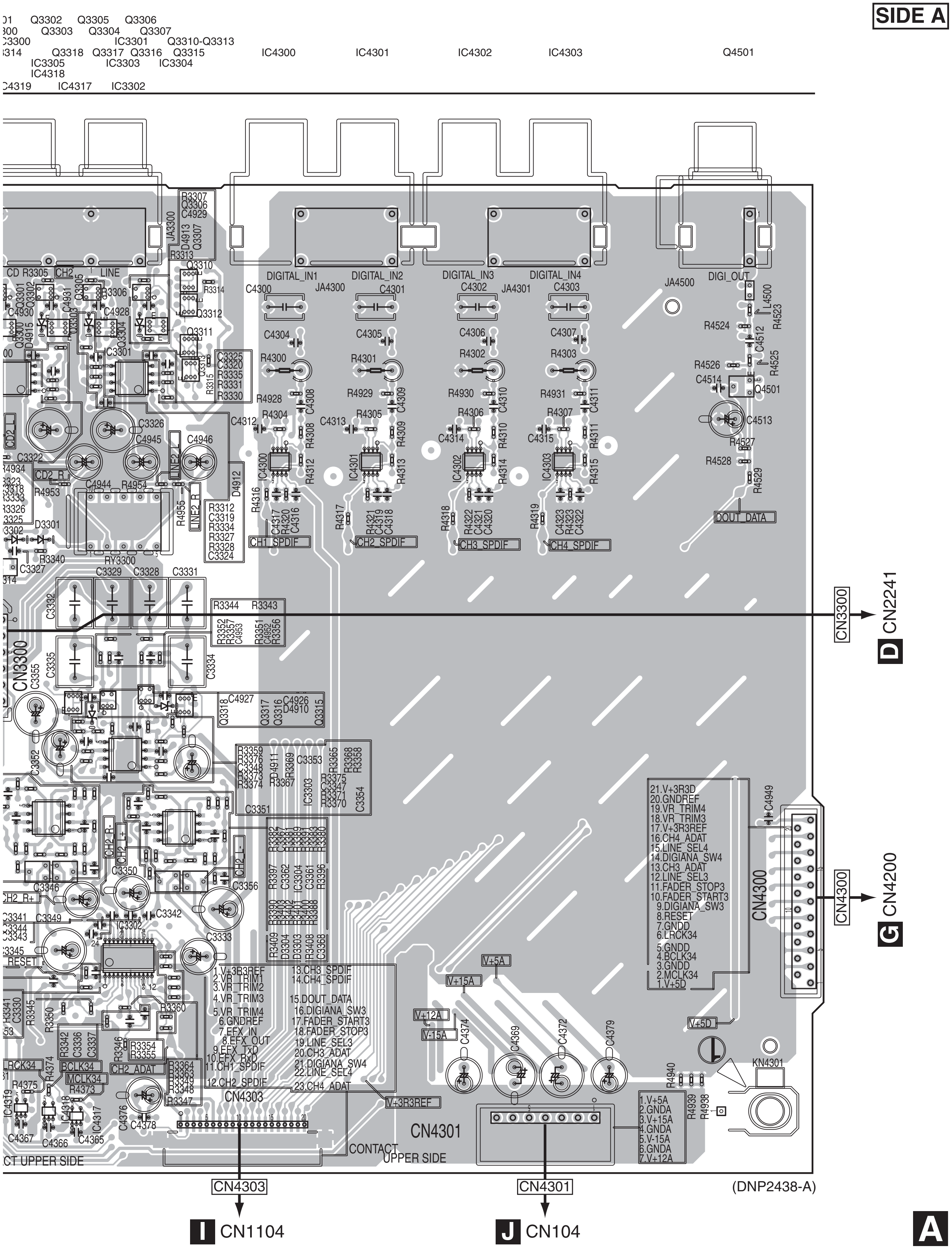

Connector
Capacitor
SIDE A
SIDE B
P.C.Board
Chip Part

11.1 AIN1 ASSY

SIDE A


Q3003 Q3004 Q3000 Q3009 Q3007
Q3006 Q3008 Q3002 Q3005 Q3001
Q4900 Q4901 IC3001 Q3010
IC4901 IC4900 IC3006
IC3000
IC3004 IC3305 IC3002
IC4315
IC3003 IC4314 IC4316
Q3309 Q3308
Q3301 Q3302 Q3305
Q3300 Q3303 Q3304
IC3300
Q3314 Q3318 Q331
IC3305
IC4318
IC4319 IC4317
VR4900
A AIN1 ASSY
LF
AOI ICT FC
AIN1
DWX2922-
DWX
DIGI/ANA_SW
LINE CH1 PHONO
CD CH2 LINE
CD1_L CD1_R PHONO1_L PHONO1_R
CD2_L CD2_R
MIC_COLD_1 MIC_HOT_1 MIC_LEVEL MIC1_IN MIC_ADC_IN MIC_DATA
CH1_R+ CH1_R- CH1_L+ CH1_L- CH2_R+ CH2_R-
CH1_RESET CH2_RESET CH1_ADAT
BCLK12 LRCK12 MCLK12 LRCK34 BCLK34 MCLK34
V+5D V+3R3D
RY3000
CN3000 CN3300 CN4900
KN4300
B CN2200
CN4900
C CN2221
CN3000
1.V+5D
2.MIC_DATA
3.DIGIANA_SW1
4.LINE_SEL1
5.CH1_ADAT
6.RESET
7.GNDD
8.MCLK
9.GNDD
10.BCLK
11.GNDD
12.LRCK
13.GNDD
14.DIGIANA_SW2
15.FADER_STOP2
16.FADER_START2
17.LINE_SEL2
18.CH2_ADAT
19.V+3R3D
20.GNDD
CN4302
CONTACT UPPER SIDE
CN4302
I CN1106

SIDE A

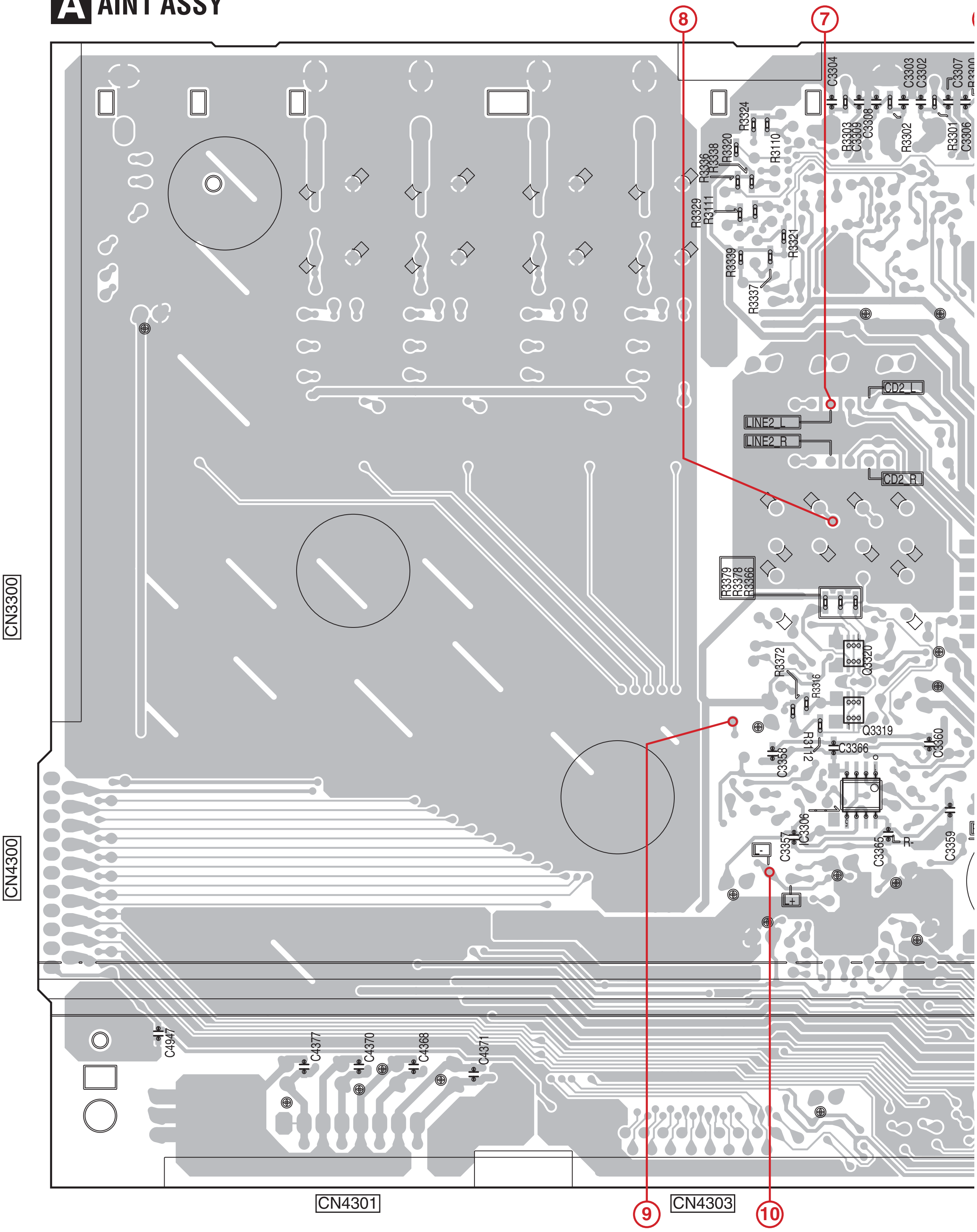

Q3302 Q3305 Q3306
Q3303 Q3304 Q3307
IC3301 Q3310-Q3313
Q3318 Q3317 Q3316 Q3315
IC3305 IC3303 IC3304
IC4318
IC4317 IC3302
IC4300
IC4301
IC4302
IC4303
Q4501
DIGITAL_IN1
DIGITAL_IN2
DIGITAL_IN3
DIGITAL_IN4
JA4300
JA4301
JA4500
DIGI_OUT
JA3300
RY3300
CH1_SPDIF
CH2_SPDIF
CH3_SPDIF
CH4_SPDIF
DOUT_DATA
CN3300
D CN2241
CN4300
G CN4200
21.V+3R3D
20.GNDREF
19.VR_TRIM4
18.VR_TRIM3
17.V+3R3REF
16.CH4_ADAT
15.LINE_SEL4
14.DIGIANA_SW4
13.CH3_ADAT
12.LINE_SEL3
11.FADER_STOP3
10.FADER_START3
9.DIGIANA_SW3
8.RESET
7.GNDD
6.LRCK34
5.GNDD
4.BCLK34
3.GNDD
2.MCLK34
1.V+5D
CN4303
1.V+3R3REF
2.VR_TRIM1
3.VR_TRIM2
4.VR_TRIM3
5.VR_TRIM4
6.GNDREF
7.EFX_IN
8.EFX_OUT
9.EFX_TxD
10.EFX_RxD
11.CH1_SPDIF
12.CH2_SPDIF
13.CH3_SPDIF
14.CH4_SPDIF
15.DOUT_DATA
16.DIGIANA_SW3
17.FADER_START3
18.FADER_STOP3
19.LINE_SEL3
20.CH3_ADAT
21.DIGIANA_SW4
22.LINE_SEL4
23.CH4_ADAT
CN4301
1.V+5A
2.GNDA
3.V+15A
4.GNDA
5.V-15A
6.GNDA
7.V+12A
V+5A
V+15A
V+12A
V-15A
V+5D
V+3R3REF
KN4301
CONTACT UPPER SIDE
I CN1104
J CN104

(DNP2438-A)

SIDE B

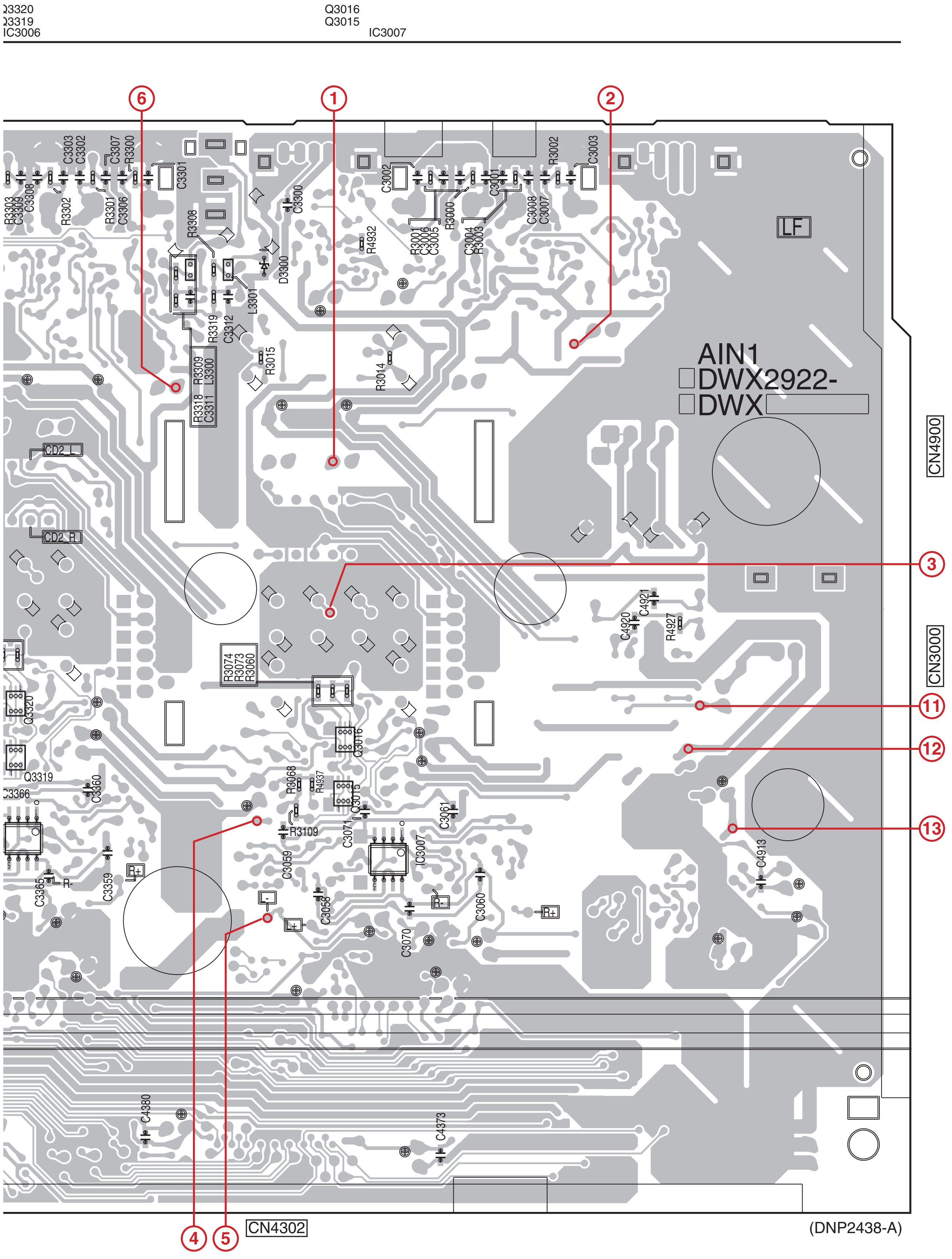
Q3320
Q3319
IC3006

A AIN1 ASSY


⑧
⑦
C3304
C3303
C3302
C3307
R3324
R3303
C3309
C3308
R3302
R3301
C3306
R3320
R3110
R3336
R3338
R3329
R3111
R3321
R3339
R3337
CD2_L
LINE2_L
LINE2_R
CD2_R
R3379
R3378
R3366
R3372
Q3320
R3316
Q3319
R3112
C3358
C3366
C3360
IC3306
C3357
C3365
C3359
CN3300
CN4300
C4947
C4377
C4370
C4368
C4371
CN4301
CN4303
⑨
⑩

SIDE B

NOTE: The encircled numbers denote measuring point.

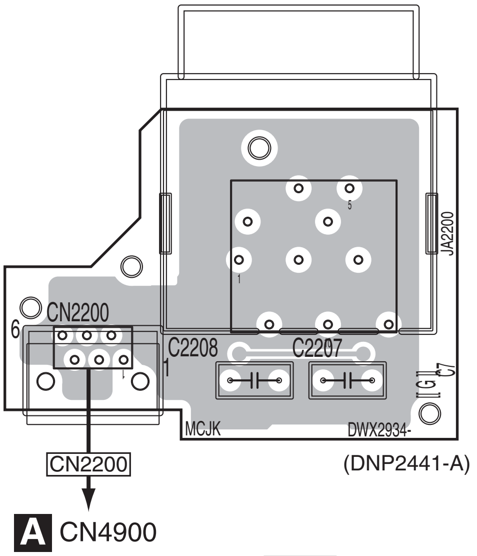

3320
3319
IC3006
Q3016
Q3015
IC3007
⑥
①
②
C3303
C3302
C3307
R3300
C3301
R3303
C3309
C3308
R3302
R3301
C3306
R3308
C3300
D3300
L3301
R3319
C3312
R3309
L3300
R3318
C3311
R3015
C3002
R3002
C3003
R4932
R3001
C3006
C3005
R3000
C3004
R3003
C3001
C3008
C3007
R3014
LF
AIN1
DWX2922-
DWX
CD2_L
CD2_R
③
C4920
C4921
R4927
R3074
R3073
R3060
Q3320
Q3016
⑪
⑫
Q3319
C3366
C3360
R3068
R4937
Q3015
C3061
R3109
C3071
IC3007
⑬
C4913
C3365
R-
C3359
R+
C3059
L-
L+
C3058
R-
C3060
R+
C3070
C4380
C4373
④
⑤
CN4302
(DNP2438-A)
CN4900
CN3000

A

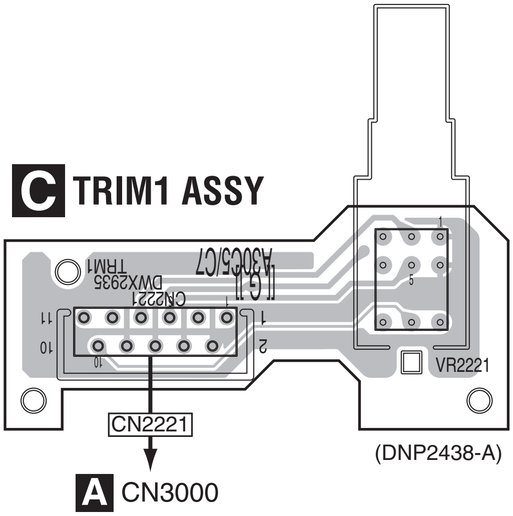
11.2 MCJK, TRIM1 - TRIM4 ASSYS

SIDE A **SIDE A**

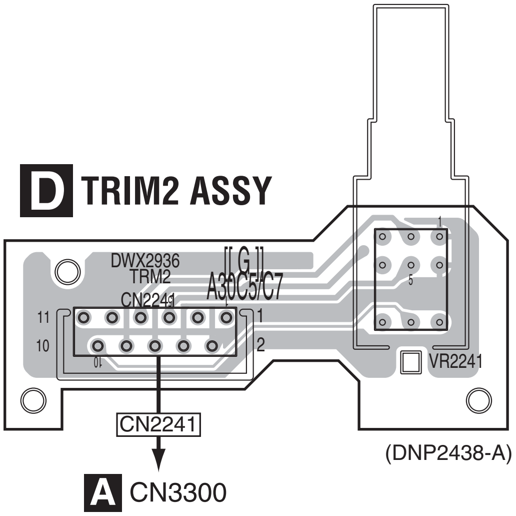
B MCJK ASSY


JA2200
5
1
CN2200
6
1
C2208
C2207
[G]
C7
MCJK
DWX2934-
(DNP2441-A)
CN2200
A CN4900

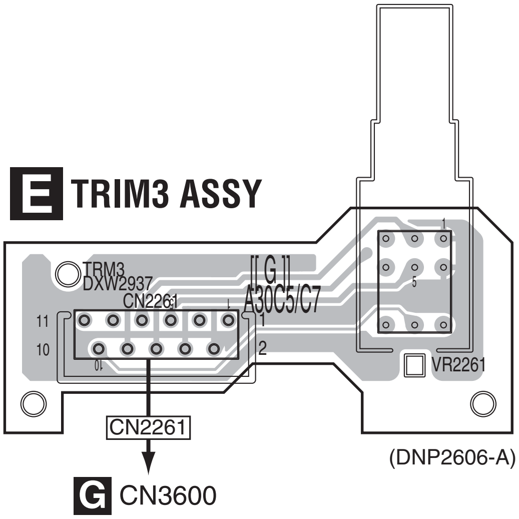
C TRIM1 ASSY


TRM1
DWX2935
CN2221
[[G]]
A30C5/C7
11
10
1
2
VR2221
(DNP2438-A)
CN2221
A CN3000

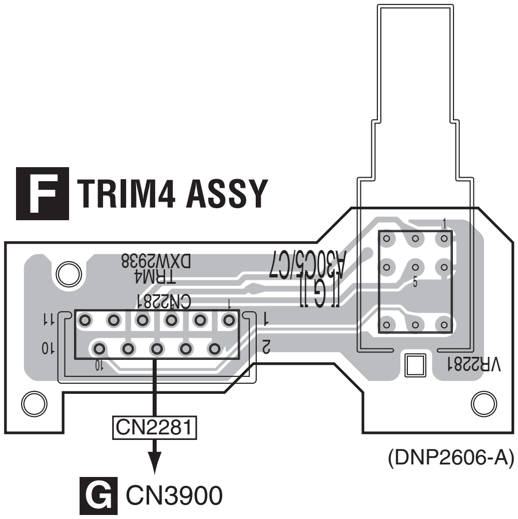
D TRIM2 ASSY


DWX2936
TRM2
CN2241
[[G]]
A30C5/C7
11
10
1
2
VR2241
(DNP2438-A)
CN2241
A CN3300

E TRIM3 ASSY


TRM3
DXW2937
CN2261
[[G]]
A30C5/C7
11
10
1
2
VR2261
(DNP2606-A)
CN2261
G CN3600

F TRIM4 ASSY

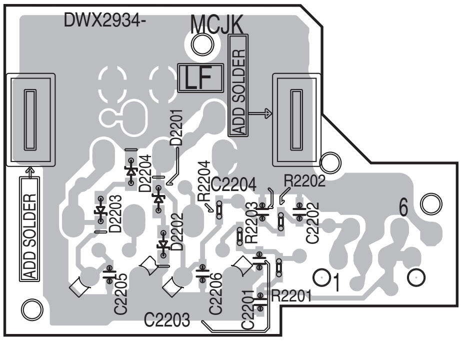

DXW2938
TRM4
CN2281
[[G]]
A30C5/C7
11
10
1
2
VR2281
(DNP2606-A)
CN2281
G CN3900

B C D E F

SIDE B

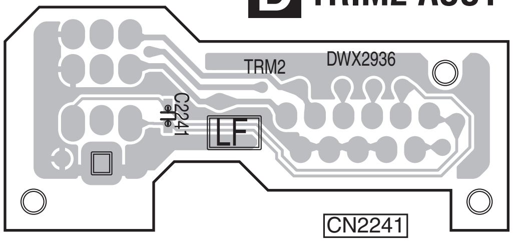
SIDE B

B MCJK ASSY


DWX2934-
MCJK
LF
ADD SOLDER
ADD SOLDER
D2201
D2204
D2203
D2202
R2204
C2204
R2202
R2203
C2202
6
1
C2205
C2206
C2201
R2201
C2203
CN2200

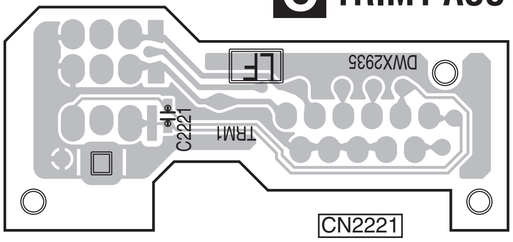
(DNP2441-A)

D TRIM2 ASSY


TRM2
DWX2936
C2241
LF
CN2241

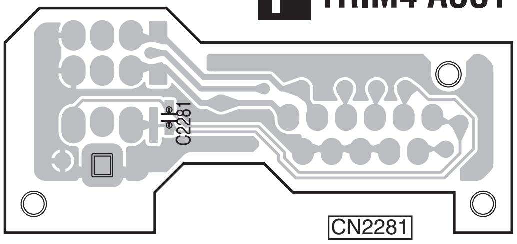
(DNP2438-A)

C TRIM1 ASSY


LF
DWX2935
C2221
TRM1
CN2221

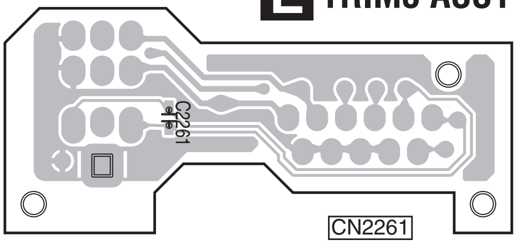
(DNP2438-A)

F TRIM4 ASSY


C2281
CN2281

(DNP2606-A)

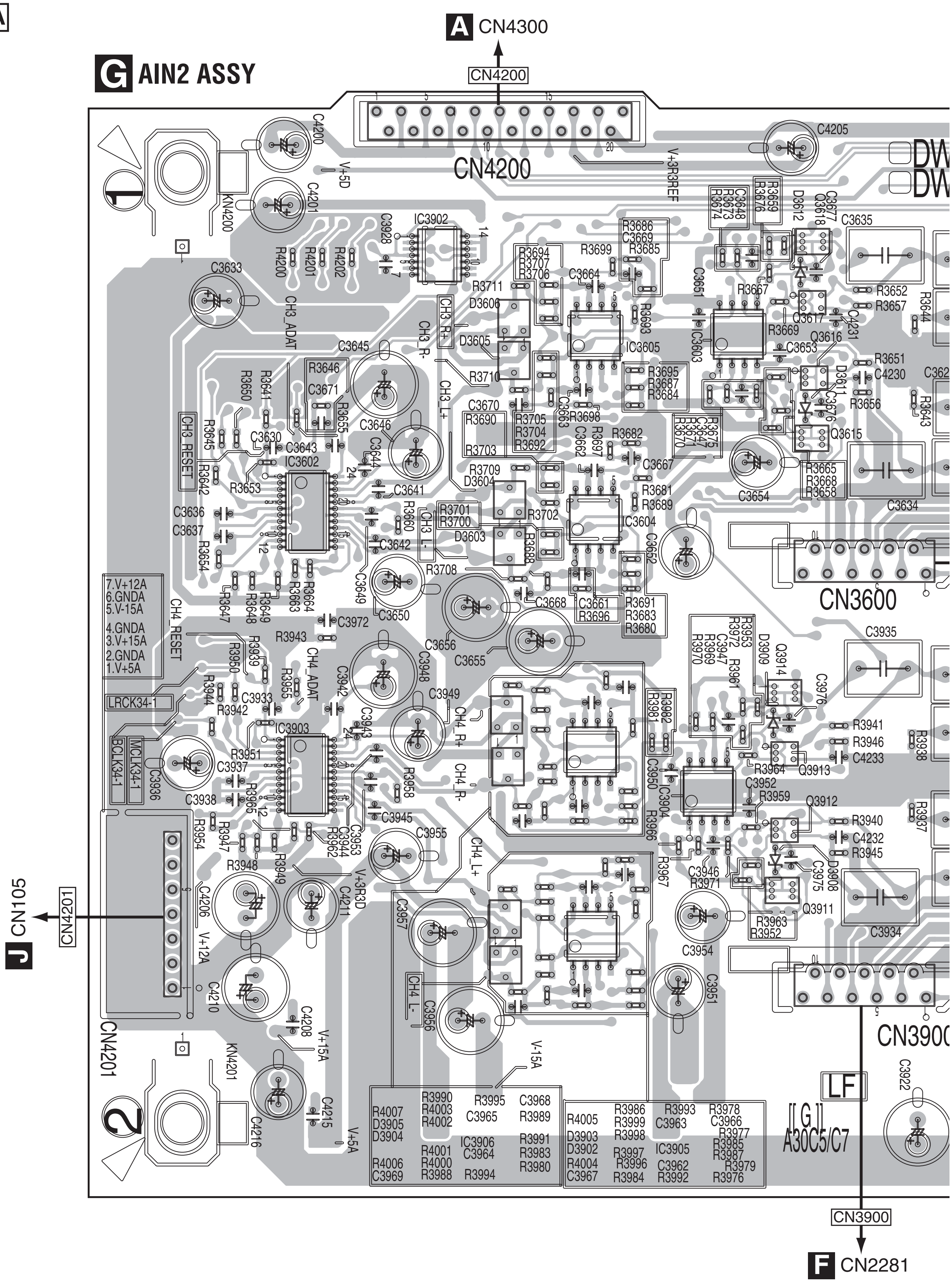
E TRIM3 ASSY


C2261
CN2261

(DNP2606-A)

11.3 AIN2 ASSY

SIDE A


A CN4300
G AIN2 ASSY
CN4200
J CN105
CN4201
F CN2281
CN3900
CN3600
IC3602
IC3902
IC3903
IC3604
IC3605
IC3603
IC3904
KN4200
KN4201
V+5D
V+3R3REF
CH3_ADAT
CH3_RESET
CH4_RESET
CH4_ADAT
CH3_R+
CH3_R-
CH3_L+
CH3_L-
CH4_R+
CH4_R-
CH4_L+
CH4_L-
7.V+12A
6.GNDA
5.V-15A
4.GNDA
3.V+15A
2.GNDA
1.V+5A
LRCK34-1
BCLK34-1
MCLK34-1
V+3R3D
V+12A
V+15A
V-15A
V+5A
LF
[G]
A30C5/C7
1
2

IC3602
IC3903

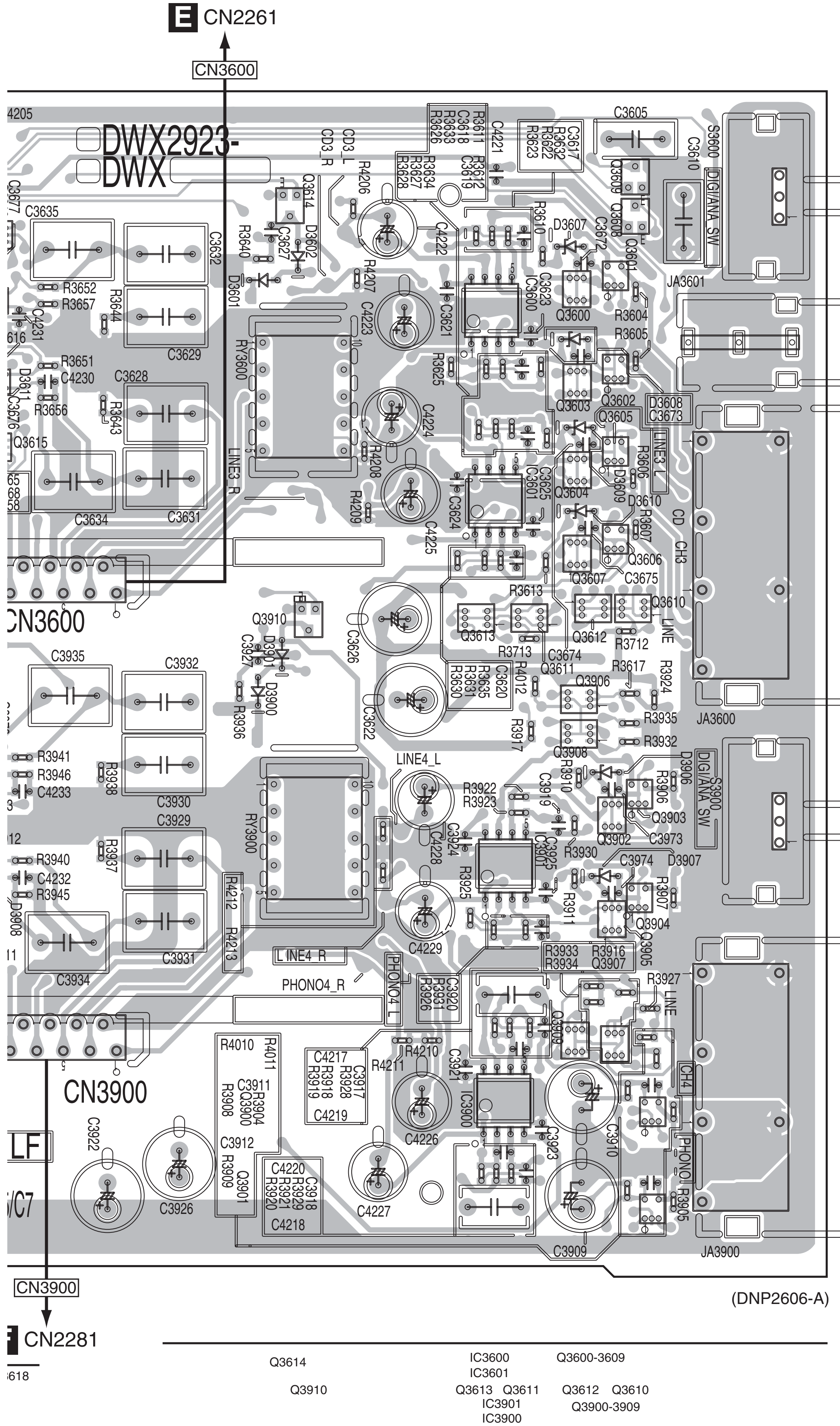
IC3902

IC3605
IC3604
IC3906
IC3905

IC3603
IC3904

Q3615-3618
Q3911-3914

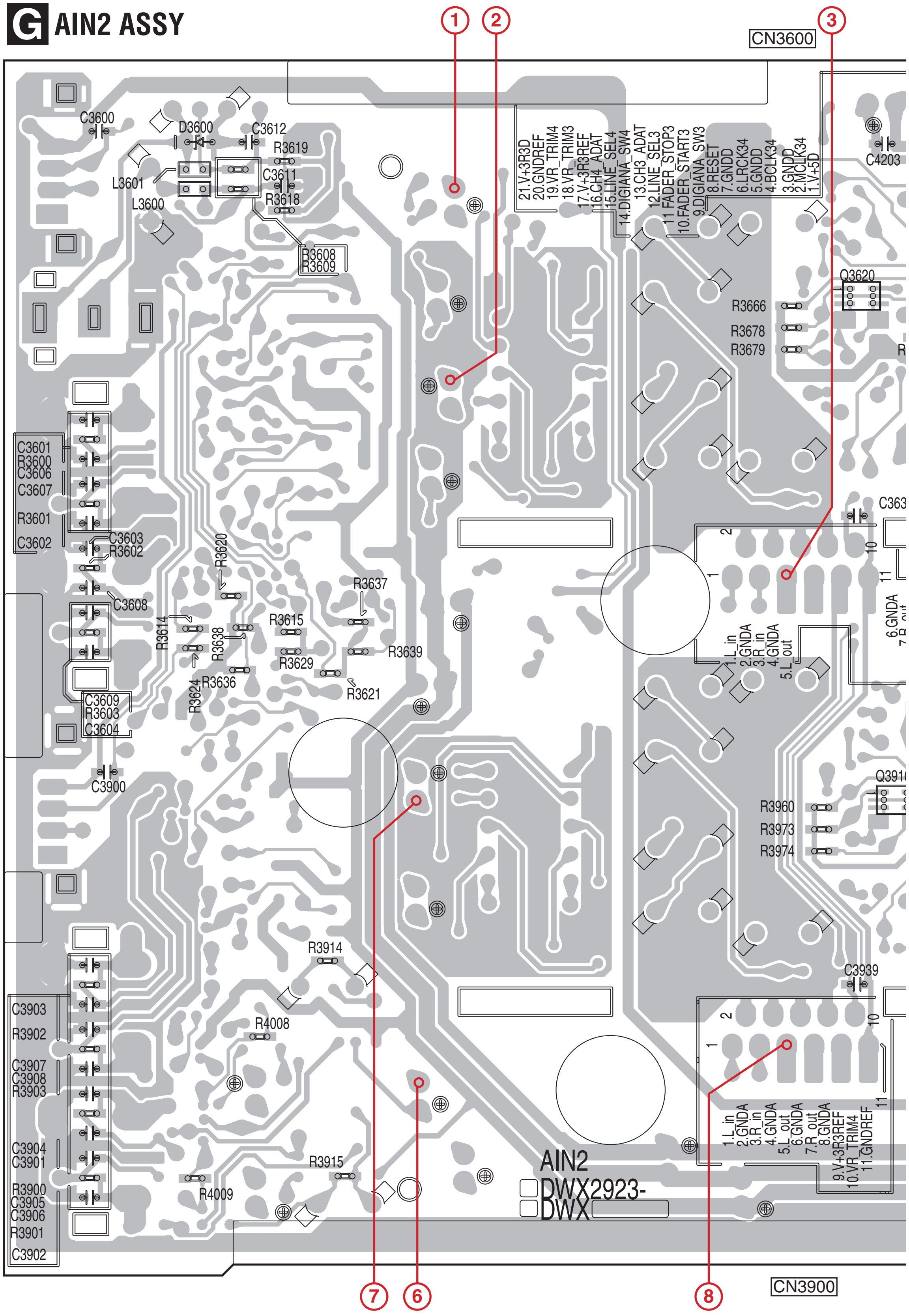
SIDE A



E CN2261
CN3600
DWX2923-
DWX
CD3_R
CD3_L
LINE3_R
LINE3_L
CD CH3
LINE
DIGI/ANA_SW
S3600
JA3601
JA3600
RY3600
IC3600
IC3601
CN3600
CN3900
C3605
C3610
C3635
C3632
C3629
C3628
C3634
C3631
C3935
C3932
C3930
C3929
C3931
C3934
C3922
C3926
C4227
C4226
C4229
C4228
C4223
C4224
C4225
C3626
C3622
C3909
C3910
R3652
R3657
R3644
R3651
C4230
R3656
R3643
C4231
D3611
C3676
Q3615
Q3614
D3602
D3601
R3640
C3627
R4206
R4207
R4208
R4209
C4222
C4221
C3621
C3624
C3623
C3625
R3625
R3610
D3607
C3672
Q3600
Q3601
Q3602
Q3603
Q3604
Q3605
Q3606
Q3607
Q3608
Q3609
Q3610
Q3611
Q3612
Q3613
R3604
R3605
D3608
C3673
R3606
D3609
D3610
R3607
C3675
R3613
R3712
R3713
C3674
R4012
R3617
R3924
Q3910
D3901
C3927
D3900
R3936
R3630
R3631
R3635
C3620
R3917
Q3906
R3935
R3932
Q3908
R3910
D3906
R3906
Q3903
C3973
Q3902
LINE4_L
LINE4_R
PHONO4_R
PHONO4_L
R3922
R3923
C3919
C3924
IC3901
C3925
R3925
R3930
C3974
D3907
R3907
R3911
Q3904
Q3905
R3933
R3934
R3916
Q3907
R3927
LINE
C3920
R3931
R3926
Q3909
R4210
R4211
C3921
IC3900
C3923
CH4
PHONO
R3905
R3941
R3946
C4233
R3938
R3940
C4232
R3945
R3937
D3908
R4212
R4213
RY3900
R4010
R4011
C3911
R3904
Q3900
R3908
C3912
R3909
Q3901
C4217
R3918
R3919
C3917
R3928
C4219
C4220
R3929
R3921
R3920
C3918
C4218
S3900
DIGI/ANA_SW
JA3900
LF
(DNP2606-A)
CN3900
F CN2281
Q3614
Q3910
IC3600
IC3601
Q3613 Q3611
IC3901
IC3900
Q3600-3609
Q3612 Q3610
Q3900-3909

SIDE B

G AIN2 ASSY

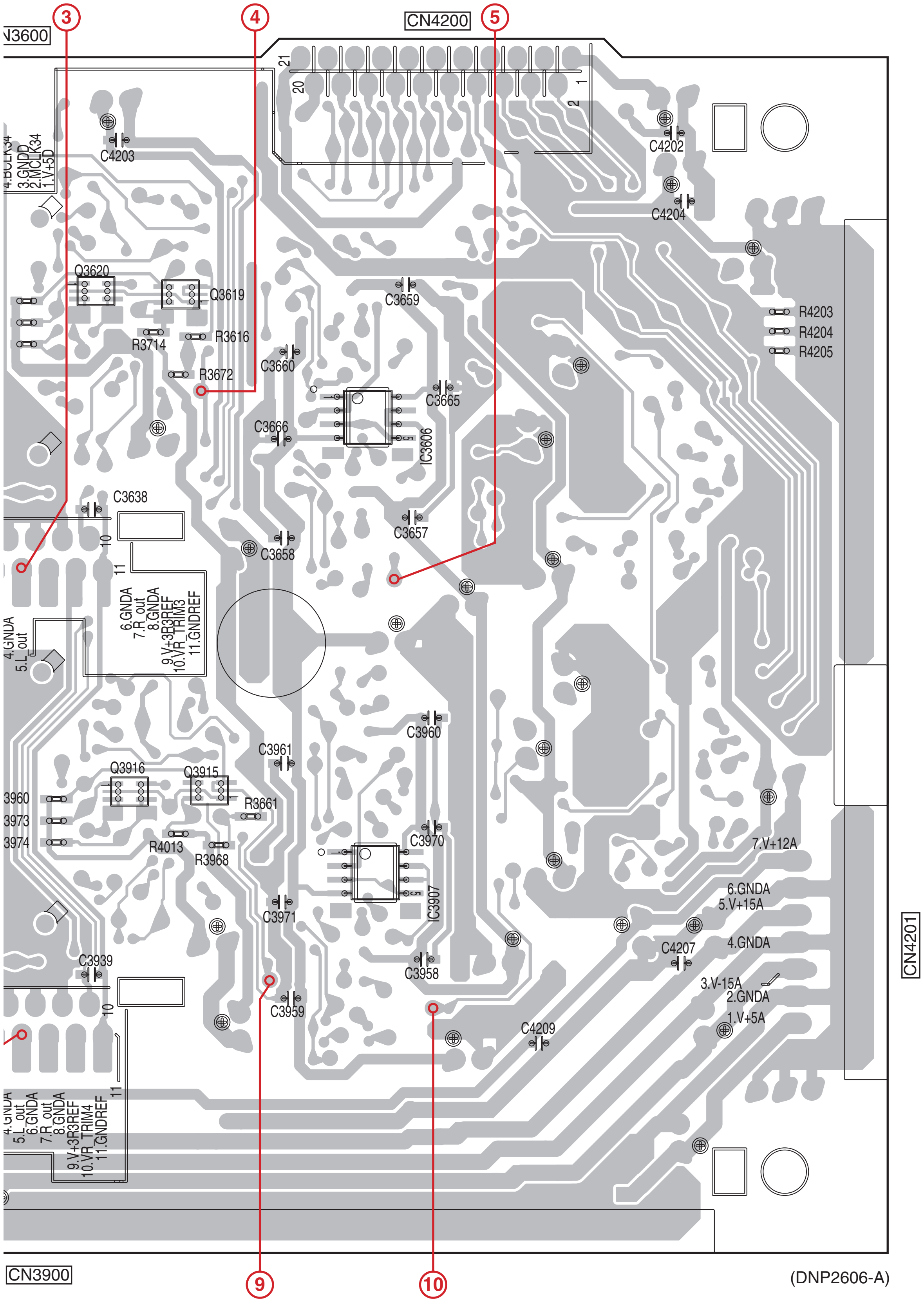


①
②
③
CN3600
C3600
D3600
C3612
R3619
C3611
R3618
L3601
L3600
R3608
R3609
21.V+3R3D
20.GNDREF
19.VR_TRIM4
18.VR_TRIM3
17.V+3R3REF
16.CH4_ADAT
15.LINE_SEL4
14.DIGIANA_SW4
13.CH3_ADAT
12.LINE_SEL3
11.FADER_STOP3
10.FADER_START3
9.DIGIANA_SW3
8.RESET
7.GNDD
6.LRCK34
5.GNDD
4.BCLK34
3.GNDD
2.MCLK34
1.V+5D
C4203
Q3620
R3666
R3678
R3679
C3601
R3600
C3606
C3607
R3601
C3602
C3603
R3602
C3608
R3620
R3637
R3614
R3638
R3615
R3629
R3639
R3624
R3636
R3621
C3609
R3603
C3604
C3900
2
10
1
11
1.L_in
2.GNDA
3.R_in
4.GNDA
5.L_out
6.GNDA
7.R_out
Q3916
R3960
R3973
R3974
R3914
C3939
R4008
C3903
R3902
C3907
C3908
R3903
C3904
C3901
R3900
C3905
C3906
R3901
C3902
R3915
R4009
1.L_in
2.GNDA
3.R_in
4.GNDA
5.L_out
6.GNDA
7.R_out
8.GNDA
9.V+3R3REF
10.VR_TRIM4
11.GNDREF
AIN2
DWX2923-
DWX
⑦
⑥
⑧
CN3900

Q3620
Q391

NOTE: The encircled numbers denote measuring point.

SIDE B


③
④
⑤
⑨
⑩
N3600
CN4200
CN4201
CN3900
21
20
1
2
4.BCLK34
3.GNDD
2.MCLK34
1.V+5D
C4203
C4202
C4204
Q3620
Q3619
R3714
R3616
R3672
C3659
C3660
C3665
C3666
IC3606
R4203
R4204
R4205
C3638
10
11
6.GNDA
7.R_out
8.GNDA
9.V+3R3REF
10.VR_TRIM3
11.GNDREF
4.GNDA
5.L_out
C3657
C3658
C3960
C3961
Q3916
Q3915
R3661
3960
3973
3974
R4013
R3968
C3970
IC3907
C3971
7.V+12A
6.GNDA
5.V+15A
4.GNDA
C4207
3.V-15A
2.GNDA
1.V+5A
C3939
C3958
C3959
C4209
4.GNDA
5.L_out
6.GNDA
7.R_out
8.GNDA
9.V+3R3REF
10.VR_TRIM4
11.GNDREF
(DNP2606-A)

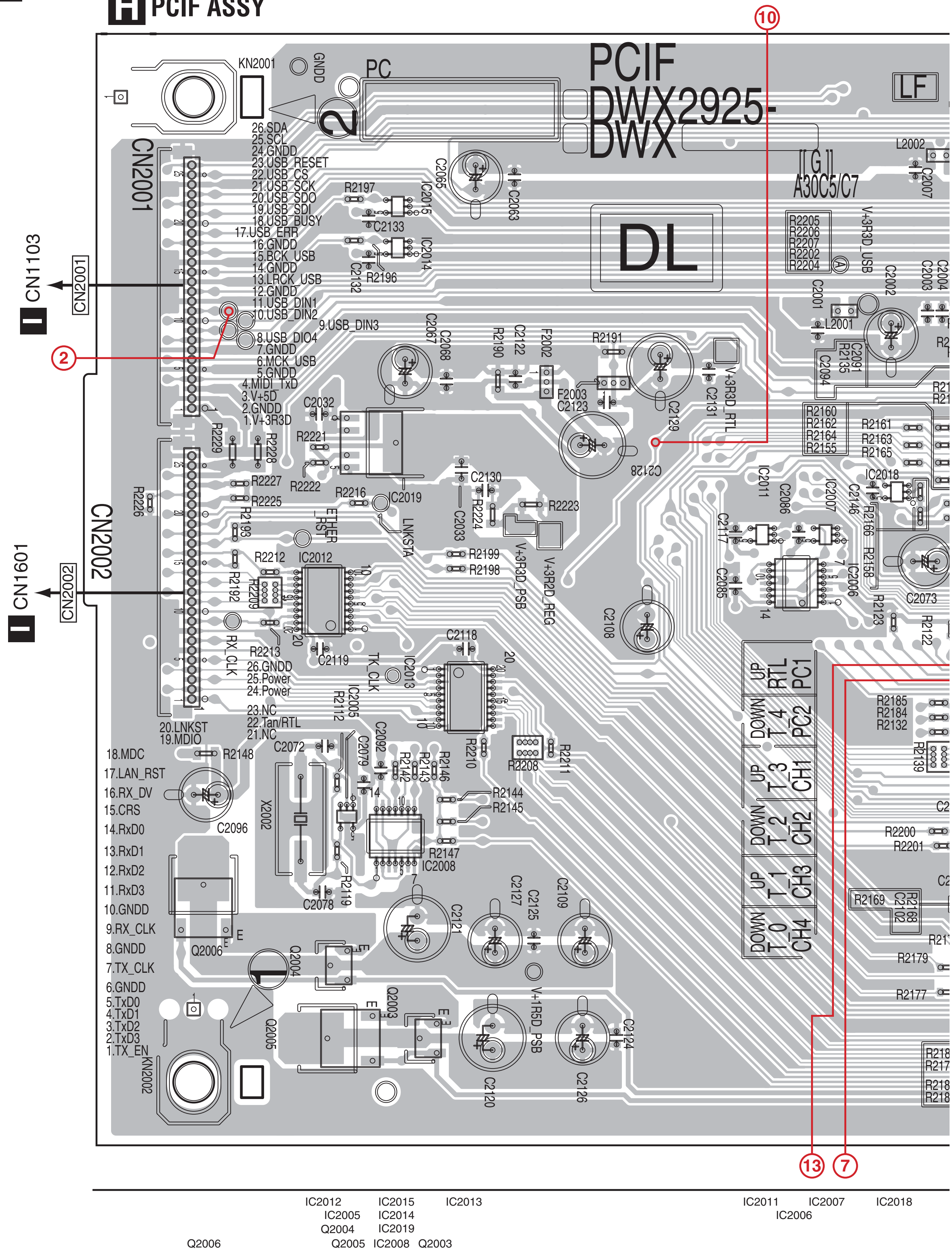
Q3620 Q3619 IC3606

Q3916 Q3915 IC3907

11.4 PCIF ASSY

SIDE A

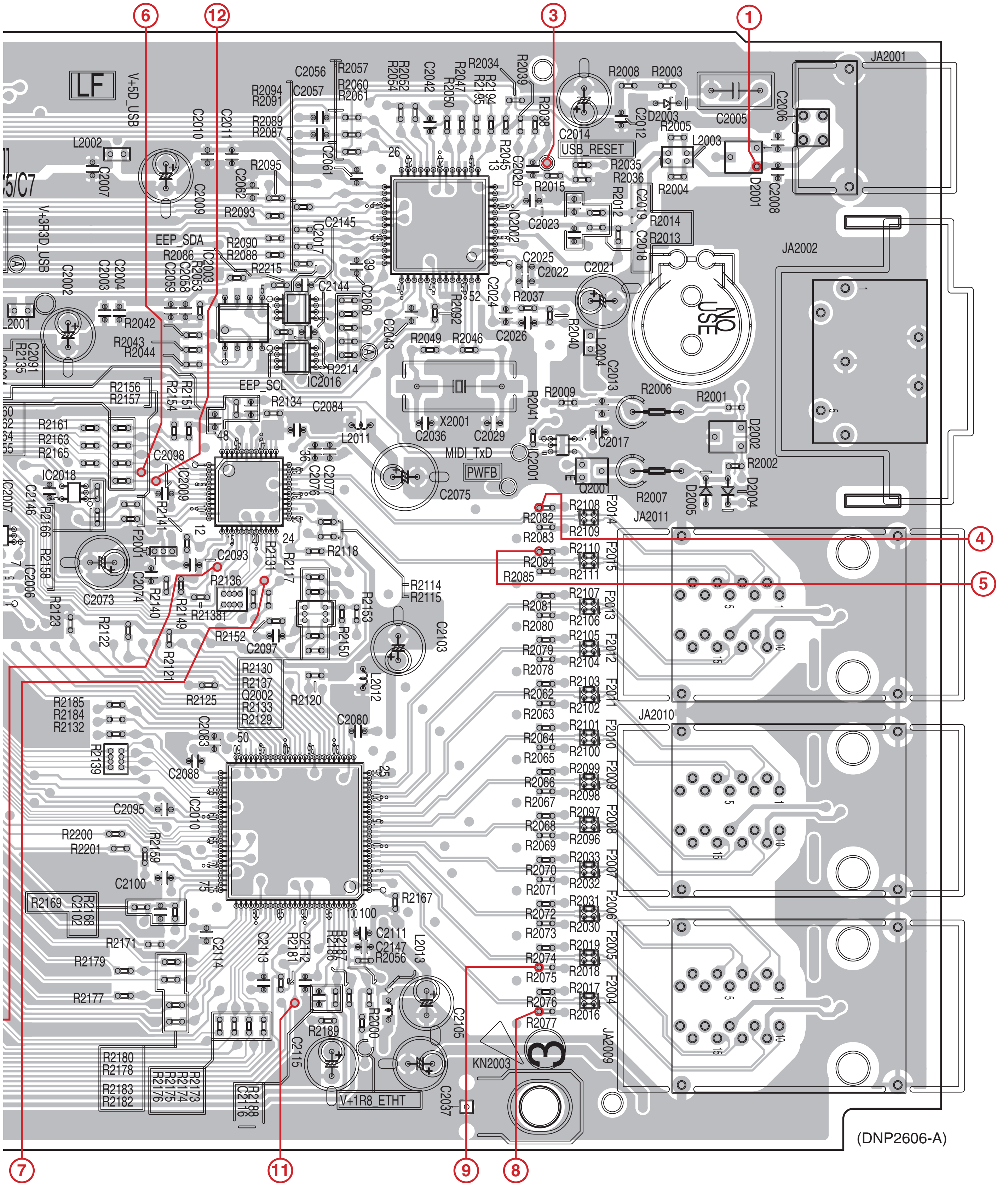
H PCIF ASSY



PCIF
DWX2925-
DWX
DL
LF
PC
GNDD
KN2001
KN2002
CN2001
CN2002
CN1103
CN1601
I
26.SDA
25.SCL
24.GNDD
23.USB_RESET
22.USB_CS
21.USB_SCK
20.USB_SDO
19.USB_SDI
18.USB_BUSY
17.USB_ERR
16.GNDD
15.BCK_USB
14.GNDD
13.LRCK_USB
12.GNDD
11.USB_DIN1
10.USB_DIN2
9.USB_DIN3
8.USB_DIO4
7.GNDD
6.MCK_USB
5.GNDD
4.MIDI_TxD
3.V+5D
2.GNDD
1.V+3R3D
26.GNDD
25.Power
24.Power
23.NC
22.Tan/RTL
21.NC
20.LNKST
19.MDIO
18.MDC
17.LAN_RST
16.RX_DV
15.CRS
14.RxD0
13.RxD1
12.RxD2
11.RxD3
10.GNDD
9.RX_CLK
8.GNDD
7.TX_CLK
6.GNDD
5.TxD0
4.TxD1
3.TxD2
2.TxD3
1.TX_EN
ETHER_RST
LNKSTA
RX_CLK
TK_CLK
V+3R3D_PSB
V+3R2D_REG
V+3R3D_RTL
V+3R3D_USB
V+1R5D_PSB
A30C5/C7
UP RTL PC1
DOWN T_4 PC2
UP T_3 CH1
DOWN T_2 CH2
UP T_1 CH3
DOWN T_0 CH4
IC2005 IC2008 IC2011 IC2012 IC2013 IC2014 IC2015 IC2006 IC2007 IC2018 IC2019
Q2003 Q2004 Q2005 Q2006
X2002
F2002 F2003
L2001 L2002
②
⑩
⑬
⑦
IC2012 IC2015 IC2013 IC2011 IC2007 IC2018
IC2005 IC2014 IC2006
Q2004 IC2019
Q2006 Q2005 IC2008 Q2003

NOTE: The encircled numbers denote measuring point.

SIDE A


①
③
⑥
⑫
④
⑤
⑦
⑪
⑨
⑧
LF
V+5D_USB
V+3R3D_USB
JA2001
JA2002
JA2010
JA2011
JA2009
USB_RESET
EEP_SDA
EEP_SCL
MIDI_TxD
PWFB
V+1R8_ETHT
NO USE
KN2003
X2001
IC2001
IC2002
IC2003
IC2006
IC2007
IC2009
IC2010
IC2016
IC2017
IC2018
Q2001
Q2002
D2001
D2002
D2003
D2004
D2005
L2001
L2002
L2003
L2004
L2011
L2012
L2013
F2001
F2004
F2005
F2006
F2007
F2008
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F2012
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F2015
C2002
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C2004
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C2006
C2007
C2008
C2009
C2010
C2011
C2012
C2013
C2014
C2017
C2018
C2019
C2020
C2022
C2023
C2024
C2025
C2026
C2029
C2036
C2042
C2043
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C2091
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C2097
C2098
C2100
C2102
C2103
C2105
C2111
C2112
C2113
C2114
C2115
C2116
C2144
C2145
C2146
C2147
R2001
R2002
R2003
R2004
R2005
R2006
R2007
R2008
R2009
R2012
R2013
R2014
R2015
R2016
R2017
R2018
R2019
R2030
R2031
R2032
R2033
R2034
R2035
R2036
R2037
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R2039
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R2043
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R2094
R2095
R2096
R2097
R2098
R2099
R2100
R2101
R2102
R2103
R2104
R2105
R2106
R2107
R2108
R2109
R2110
R2111
R2114
R2115
R2117
R2118
R2120
R2121
R2122
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R2131
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R2136
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R2139
R2140
R2141
R2149
R2150
R2151
R2152
R2153
R2154
R2156
R2157
R2158
R2159
R2161
R2163
R2165
R2166
R2167
R2168
R2169
R2171
R2173
R2174
R2175
R2176
R2177
R2178
R2179
R2180
R2181
R2182
R2183
R2184
R2185
R2186
R2187
R2188
R2189
R2194
R2195
R2200
R2201
R2214
R2215
R2000
3

(DNP2606-A)

007 IC2018 IC2003 IC2017 IC2002 IC2001
IC2009 IC2016 Q2001
Q2002
IC2010

A
B
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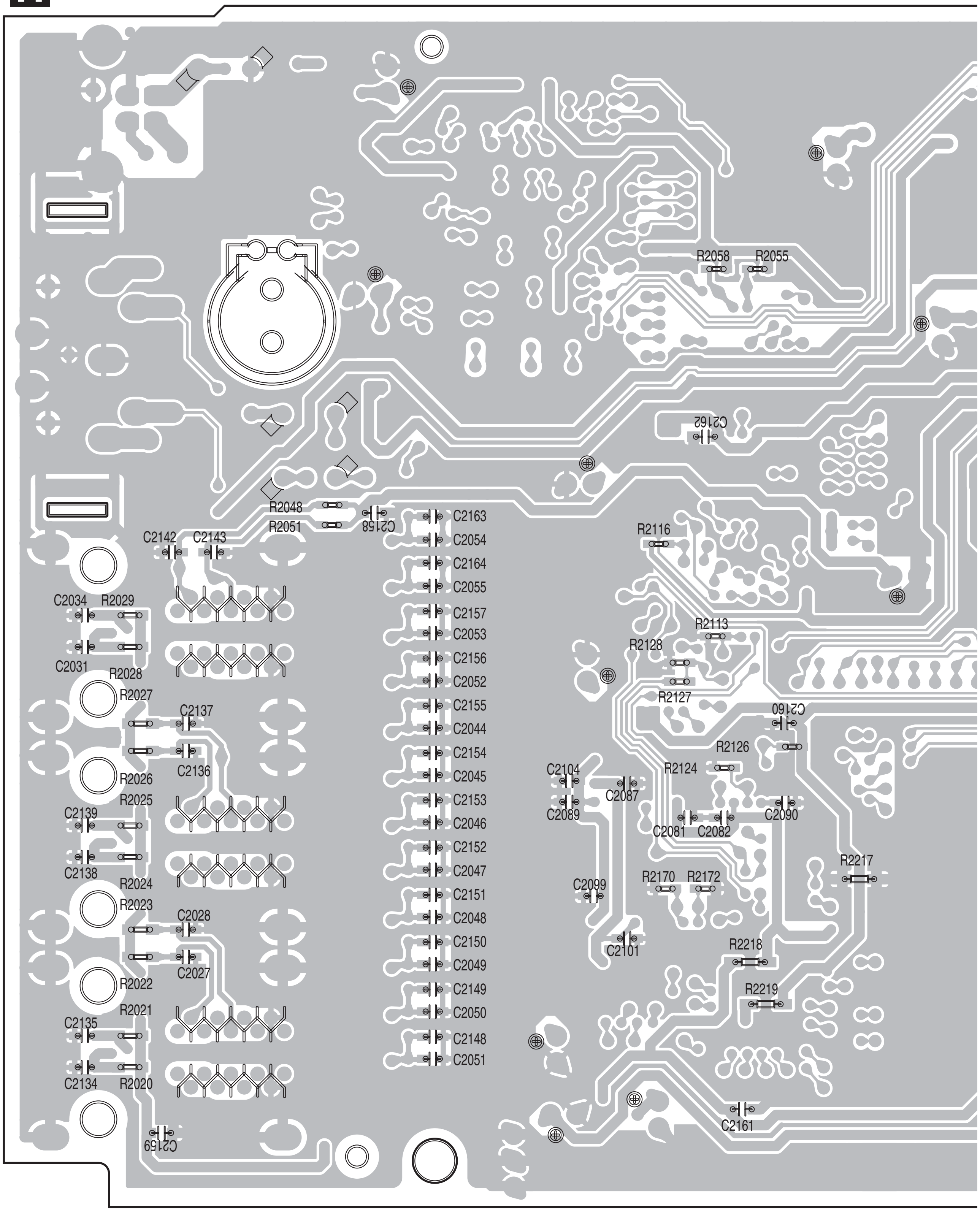
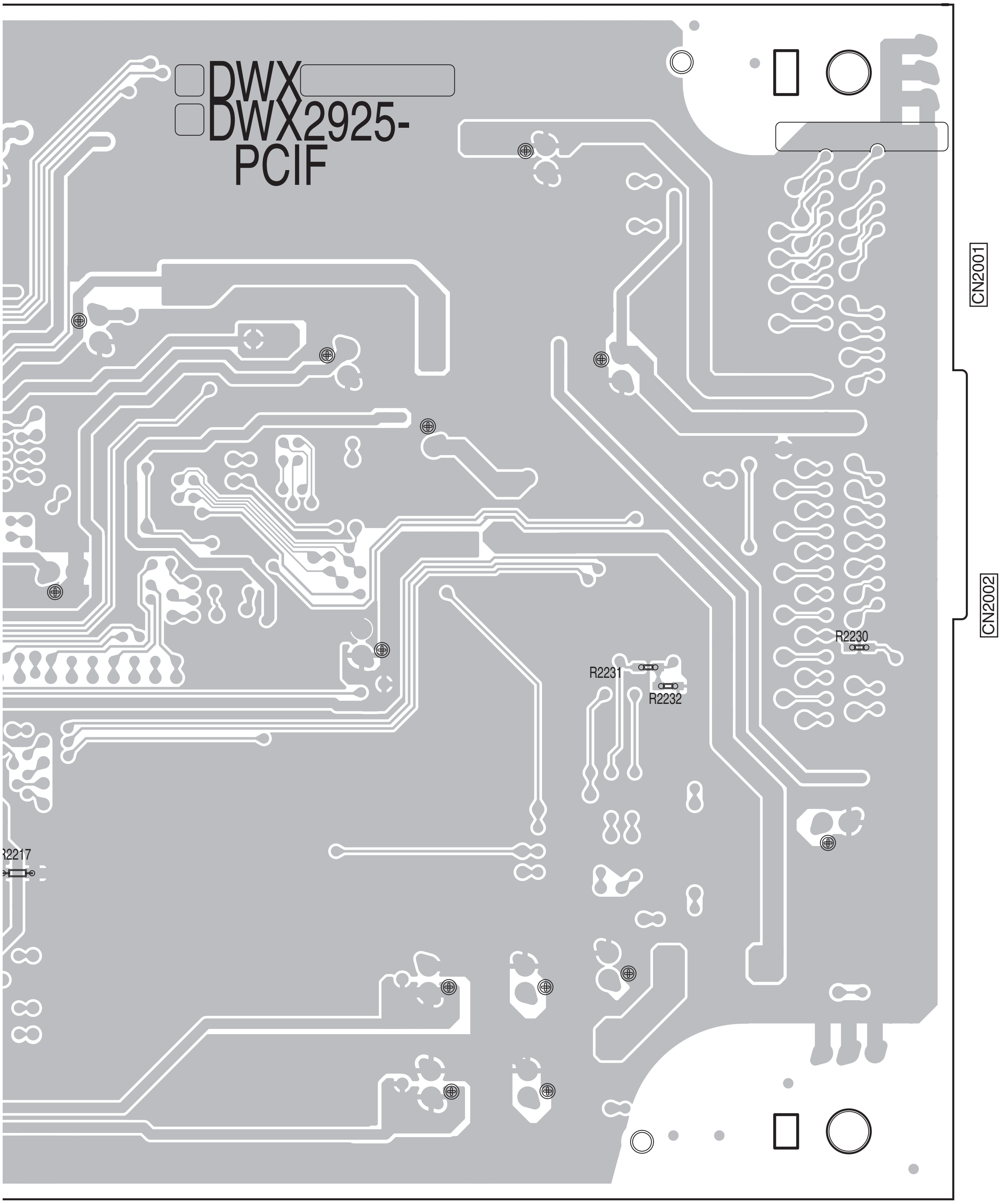
H

SIDE B

H PCIF ASSY


R2058
R2055
C2162
R2048
R2051
C2158
C2163
C2142
C2143
C2054
R2116
C2164
C2034
R2029
C2055
C2157
C2053
R2113
R2128
C2031
R2028
C2156
C2052
R2027
R2127
C2155
C2137
C2160
C2044
C2154
R2126
C2136
R2026
C2104
R2124
C2045
C2087
R2025
C2153
C2089
C2090
C2139
C2046
C2081
C2082
C2152
R2217
C2138
C2047
R2024
C2099
R2170
R2172
C2151
R2023
C2028
C2048
C2150
C2101
R2218
C2027
C2049
R2022
C2149
R2219
R2021
C2050
C2135
C2148
C2051
C2134
R2020
C2161
C2159

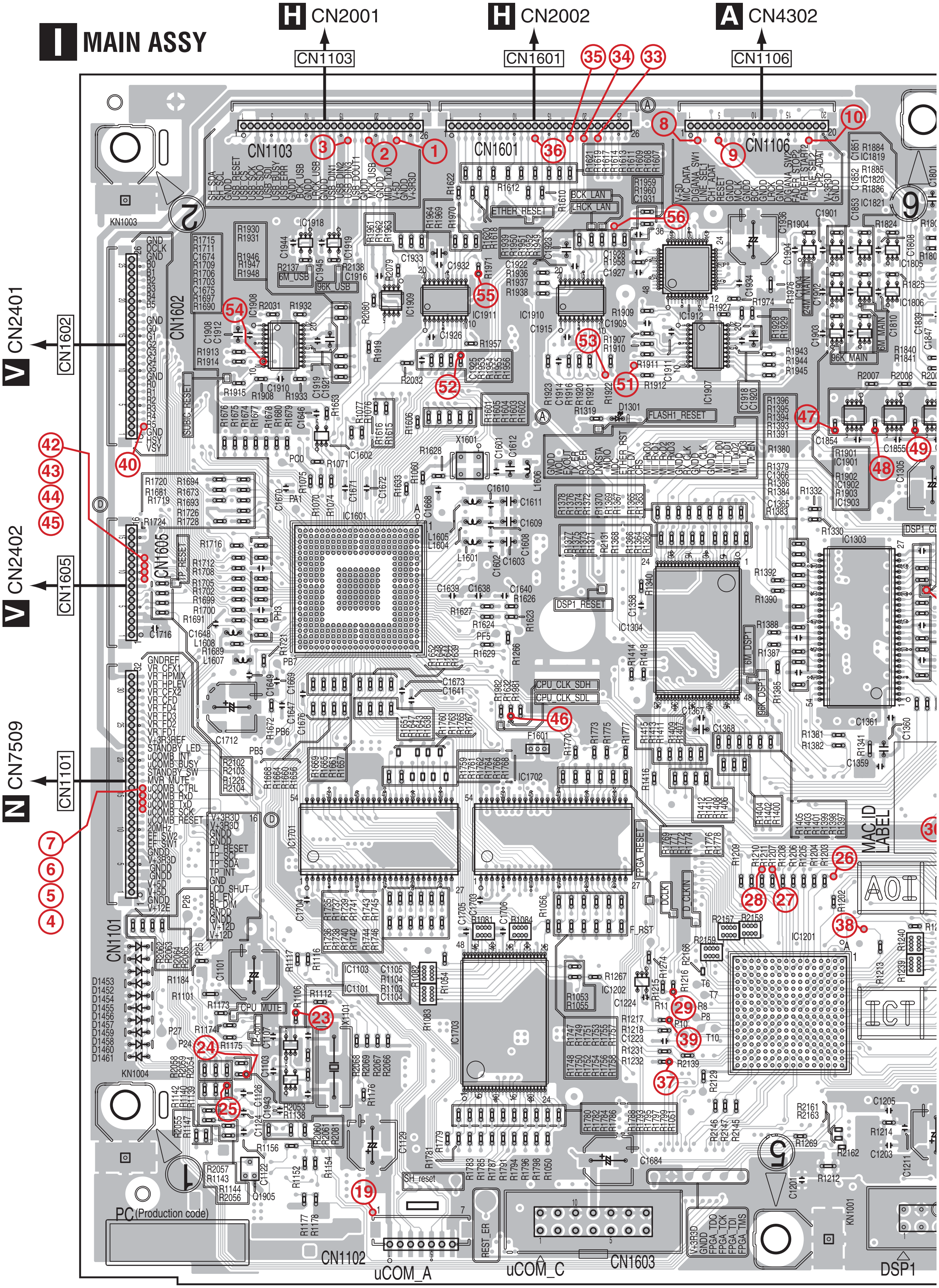
SIDE B


DWX
DWX2925-
PCIF
CN2001
CN2002
R2230
R2231
R2232
R2217

(DNP2606-A)

11.5 MAIN ASSY

SIDE A



I MAIN ASSY
H CN2001
CN1103
H CN2002
CN1601
A CN4302
CN1106
V CN2401
CN1602
V CN2402
CN1605
N CN7509
CN1101
CN1102
uCOM_A
uCOM_C
CN1603
DSP1
KN1003
KN1004
KN1001
PC (Production code)
IC1601
IC1304
IC1303
IC1701
IC1702
IC1703
IC1201
IC1910
IC1911
IC1912
IC1602
X1601
X1101
ETHER_RESET
FLASH1_RESET
DSP1_RESET
SUBIC_RESET
TP_RESET
FPGA_RESET
CPU_MUTE
CPU_CLK_SDH
CPU_CLK_SDL
BCK_LAN
LRCK_LAN
6M_USB
96K_USB
24M_MAIN
6M_MAIN
96K_MAIN
6M_DSP1
96K_DSP1
MAC ID LABEL
SH_reset
REST_ER
D_CLK
D_CLKIN
F_RST
GNDREF
VR_CFX1
VR_HPMIX
VR_HPLEV
VR_CFX2
VR_CFD
VR_FD4
VR_FD3
VR_FD2
VR_FD1
V+3R3REF
STANDBY_LED
uCOMB_INT
uCOMB_BUSY
STANDBY_SW
MVR_MUTE
uCOMB_CTRL
uCOMB_RxD
uCOMB_TxD
uCOMB_SCK
uCOMB_RESET
20MHz
FF_SW2
FF_SW1
GNDD
V+3R3D
V+5D
V+12E
TP_RESET
TP_SCL
TP_SDA
TP_INT
LCD_SHUT
BL_EN
BL_DIM
V+12D
1
2
3
4
5
6
7
8
9
10
19
23
24
25
26
27
28
29
30
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34
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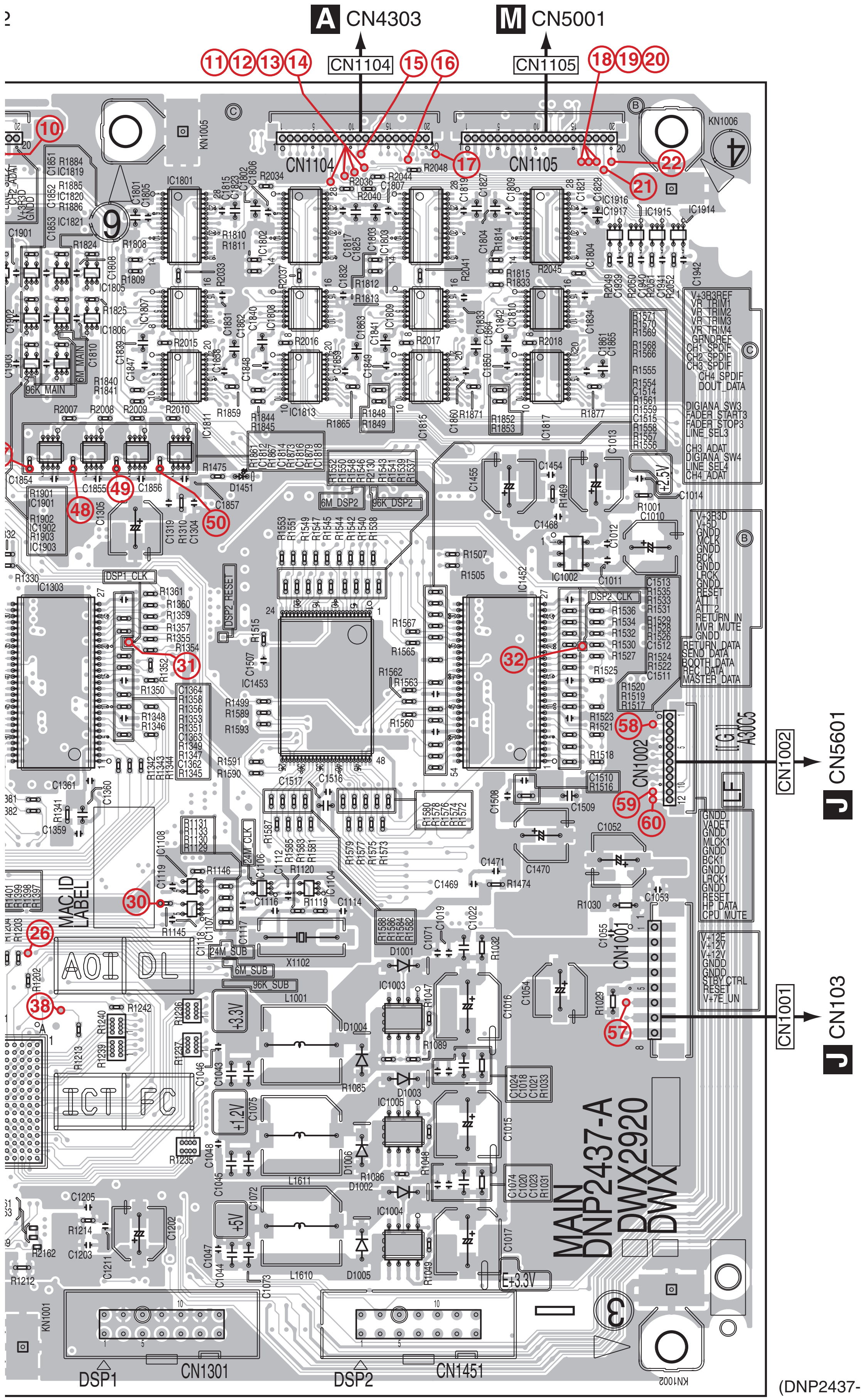
56

NOTE: The encircled numbers denote measuring point. **SIDE A**


A CN4303
M CN5001
CN1104
CN1105
⑪⑫⑬⑭ ⑮⑯ ⑰
⑱⑲⑳ ㉑ ㉒
⑩ ㉖ ㉚ ㉛ ㉜ ㊳ ㊽ ㊾ ㊿
(57) (58) (59) (60)
CN1002
J CN5601
CN1001
J CN103
DSP1 CN1301
DSP2 CN1451
IC1801
IC1453
IC1002
IC1303
IC1003
IC1005
IC1004
KN1001
KN1002
KN1005
KN1006
MAC ID LABEL
+3.3V
+1.2V
+5V
E+3.3V
MAIN
DNP2437-A
DWX2920
DWX

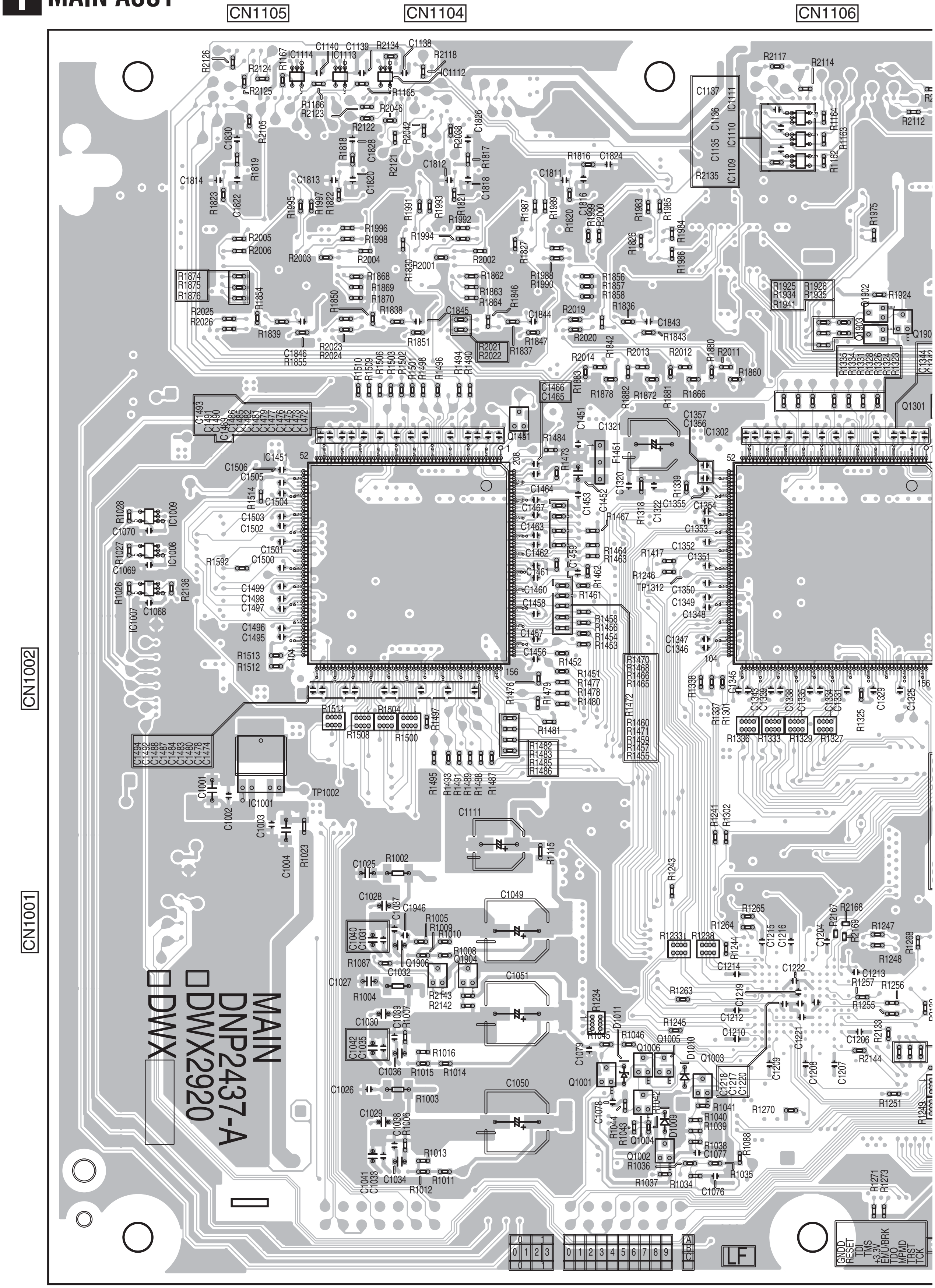
IC1801 IC1802
IC1803 IC1804
IC1914 | IC1917
IC1918
IC1919
IC1901 IC1805
IC1912 | IC1904 IC1807
IC1808
IC1809
IC1909 IC1910 IC1819 IC1806
IC1810
IC1911 | IC1821
IC1813
IC1815
IC1908 IC1907 IC1811
IC1817
IC1812 IC1814
IC1816 IC1818
IC1602
IC1002
IC1601
IC1303 IC1453 IC1452
IC1304
IC1108 IC1106
IC1104
IC1701 IC1107
IC1702
IC1003
IC1703 IC1202
IC1201
IC1005
IC1103
IC1101
IC1004
Q1905

(DNP2437-A)

SIDE B

A

I MAIN ASSY


CN1105
CN1104
CN1106
CN1002
CN1001
IC1114
IC1113
IC1112
IC1111
IC1110
IC1109
IC1451
IC1009
IC1008
IC1007
IC1001
TP1002
TP1312
Q1451
Q1301
Q1001
Q1002
Q1003
Q1004
Q1005
Q1006
Q1904
Q1906
F1451
D1009
D1010
D1011
C1049
C1050
C1051
C1111
52
104
156
208
MAIN
DNP2437-A
DWX2920
DWX
0 1 2 3
0 1 2 3 4 5 6 7 8 9
A B C
LF
GNDD
RESET
TDI
TMS
+3.3V
EMU/BRK
TDO
MPMD
TRST
TCK

B

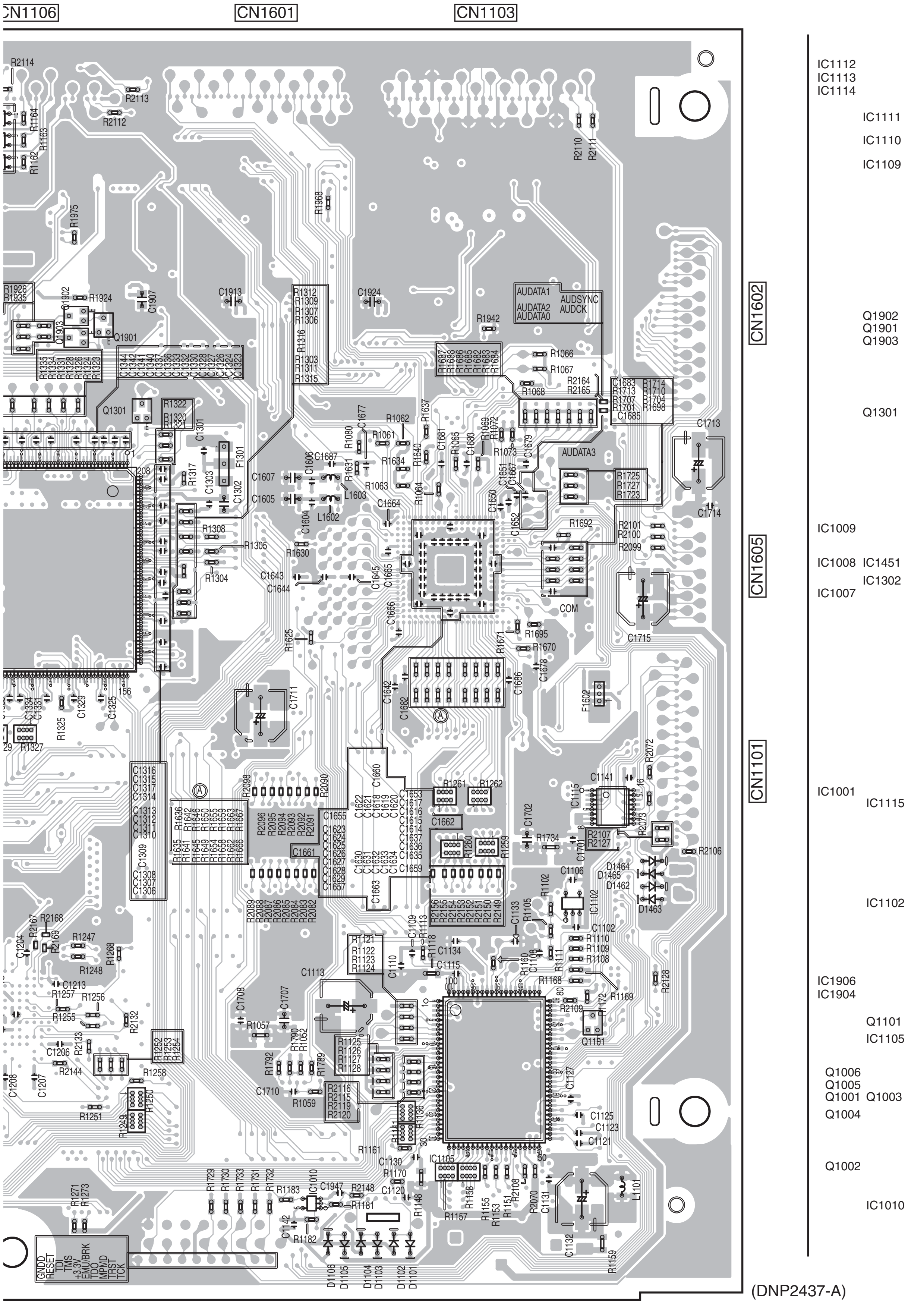
C

D

E

F

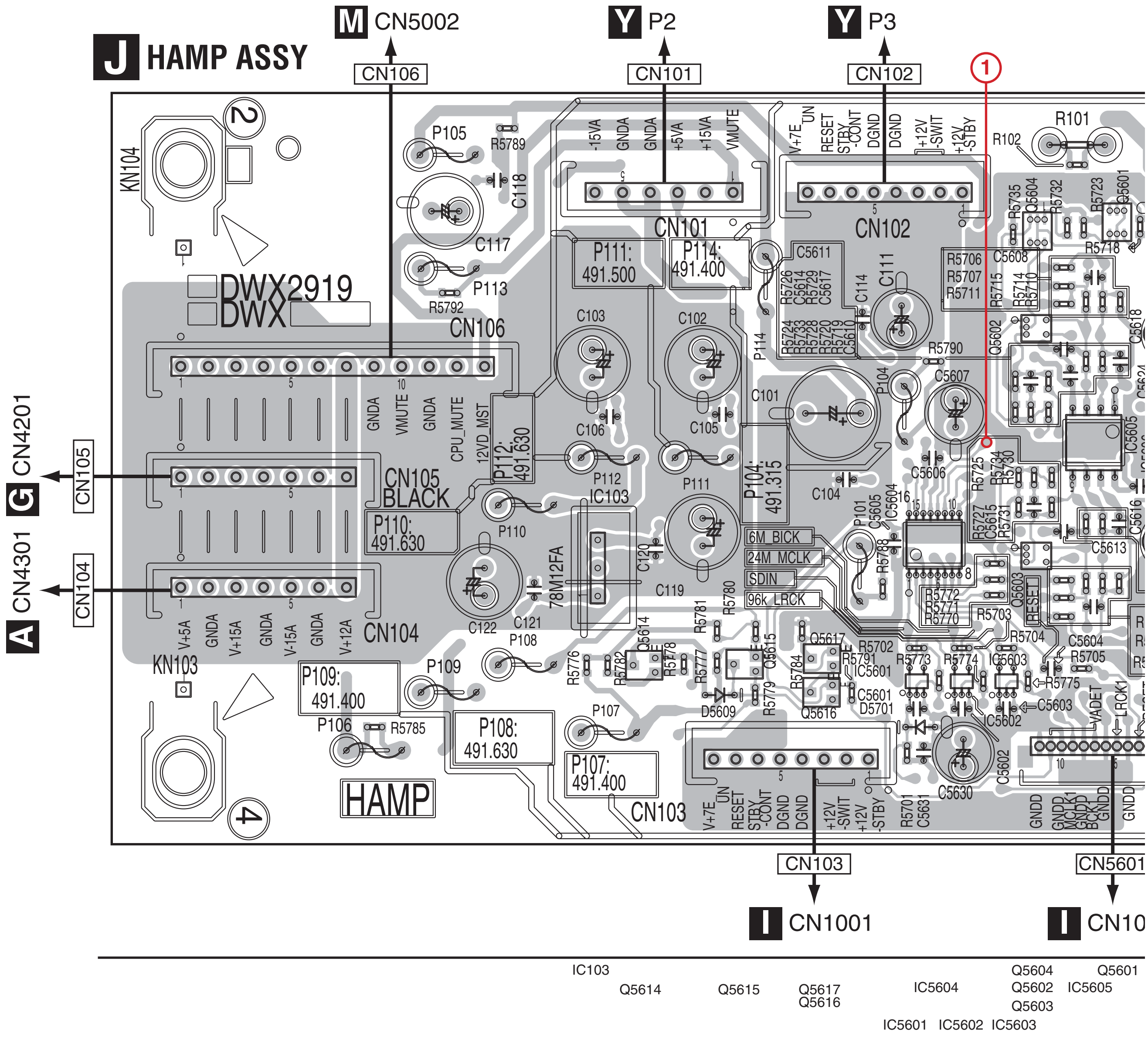
SIDE B


CN1106
CN1601
CN1103
CN1602
CN1605
CN1101
AUDATA1
AUDATA2
AUDATA0
AUDSYNC
AUDCK
AUDATA3
COM
GNDD
RESET
TDI
TMS
+3.3V
EMU/BRK
TDO
MPMD
TRST
TCK
IC1112
IC1113
IC1114
IC1111
IC1110
IC1109
Q1902
Q1901
Q1903
Q1301
IC1009
IC1008
IC1451
IC1302
IC1007
IC1001
IC1115
IC1102
IC1906
IC1904
Q1101
IC1105
Q1006
Q1005
Q1001
Q1003
Q1004
Q1002
IC1010

(DNP2437-A)

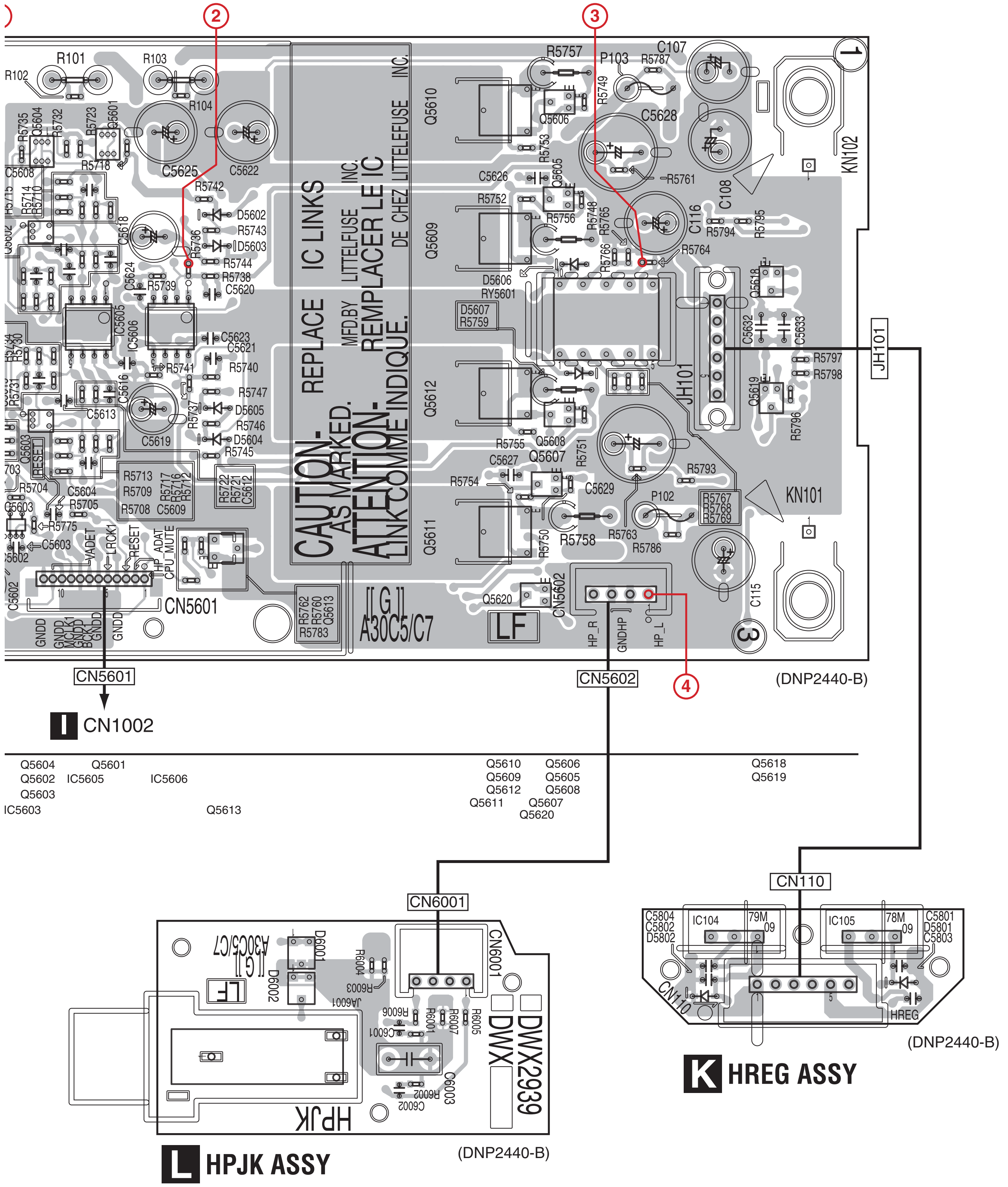
11.6 HAMP, HREG and HPJK ASSYS

SIDE A


J HAMP ASSY
M CN5002
CN106
Y P2
CN101
Y P3
CN102
G CN4201
CN105
A CN4301
CN104
CN103
I CN1001
CN5601
I CN10
KN104
KN103
DWX2919
DWX
HAMP
CN105 BLACK
P111: 491.500
P114: 491.400
P112: 491.630
P110: 491.630
P104: 491.315
P109: 491.400
P108: 491.630
P107: 491.400
78M12FA
IC103
6M_BICK
24M_MCLK
SDIN
96k_LRCK
-15VA
GNDA
+5VA
+15VA
VMUTE
V+7E UN
RESET
STBY -CONT
DGND
+12V -SWIT
+12V -STBY
CPU_MUTE
12VD_MST
V+5A
V+15A
V-15A
V+12A
C101
C102
C103
C104
C105
C106
C111
C114
C117
C118
C119
C120
C121
C122
R101
R102
IC5601
IC5602
IC5603
IC5604
IC5605
Q5601
Q5602
Q5603
Q5604
Q5614
Q5615
Q5616
Q5617
D5609
D5701
①
②
④
IC103
Q5614
Q5615
Q5617
Q5616
IC5604
Q5604
Q5602
Q5603
Q5601
IC5605
IC5601 IC5602 IC5603

SIDE A

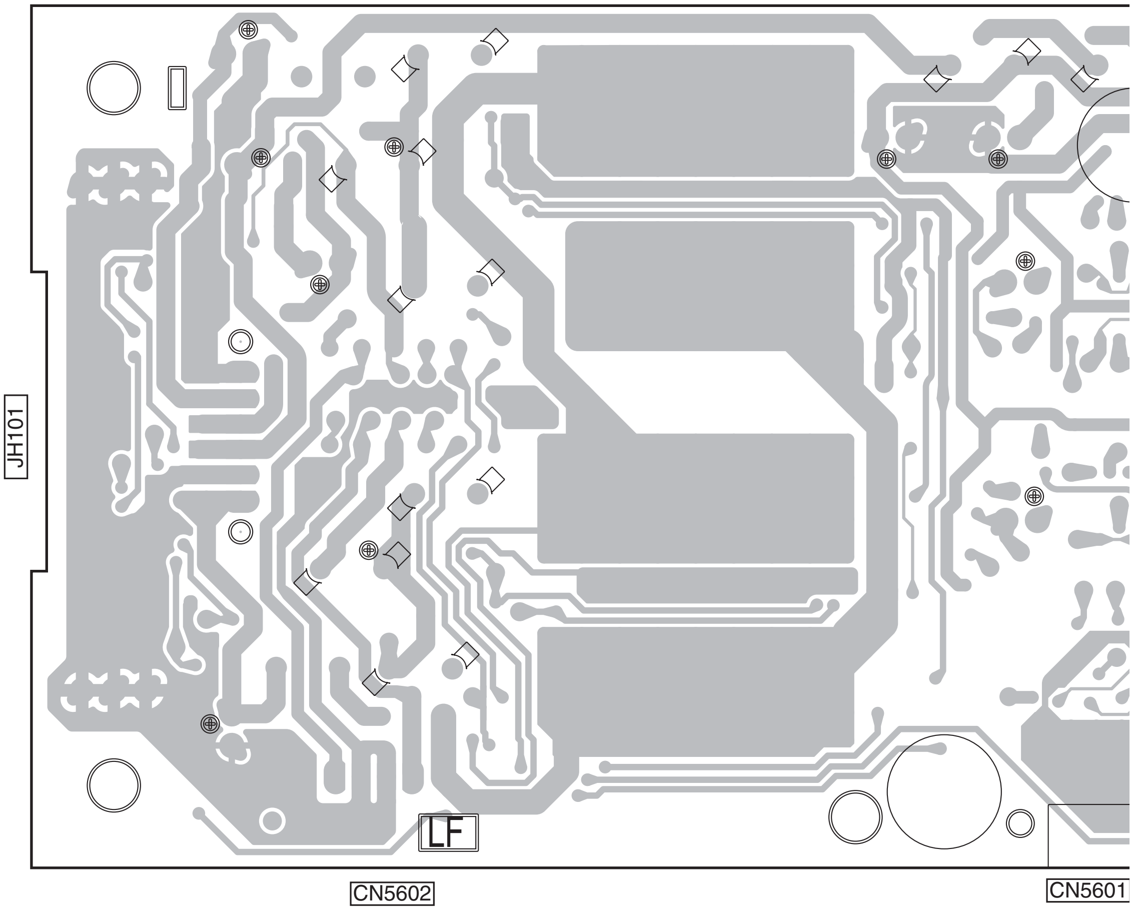
NOTE: The encircled numbers denote measuring point.

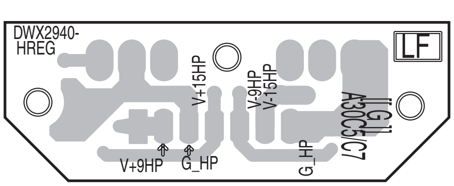

②
③
④
①
R101
R102
R103
R104
C5625
C5622
R5757
P103
R5787
C107
R5749
C5628
Q5606
Q5610
Q5609
Q5612
Q5611
KN102
C108
C116
R5794
R5795
R5764
R5761
C5626
R5752
R5756
D5606
RY5601
D5607
R5759
Q5618
C5632
C5633
JH101
R5797
R5798
Q5619
R5796
Q5605
Q5608
Q5607
C5627
R5755
R5751
R5754
C5629
R5793
P102
R5767
R5768
R5769
KN101
R5758
R5763
R5786
R5750
Q5620
CN5602
LF
HP_R
GNDHP
HP_L
C115
CAUTION-
REPLACE IC LINKS
AS MARKED.
MFD.BY LITTELFUSE INC.
ATTENTION-
REMPLACER LE IC
LINK COMME INDIQUE.
DE CHEZ LITTELFUSE INC.
[[G]]
A30C5/C7
CN5601
IC5605
IC5606
C5605
C5606
C5623
C5621
R5740
R5741
R5747
D5605
R5746
D5604
R5745
D5602
R5743
D5603
R5744
R5738
C5620
R5736
R5739
R5742
C5624
C5618
C5616
C5619
C5613
R5713
R5709
R5708
C5609
R5717
R5716
R5712
R5722
R5721
C5612
R5762
R5760
Q5613
R5783
RESET
R5704
C5604
R5705
R5775
C5603
C5602
VADET
LRCK1
RESET
HP_ADAT
CPU_MUTE
GNDD
MCLK1
BCK1
(DNP2440-B)
CN5601
I CN1002
CN5602
Q5604 Q5601
Q5602 IC5605 IC5606
Q5603
IC5603 Q5613
Q5610 Q5606
Q5609 Q5605
Q5612 Q5608
Q5611 Q5607
Q5620
Q5618
Q5619
CN6001
CN6001
D6001
D6002
JA6001
R6004
R6003
R6006
R6001
R6007
R6005
C6001
C6003
R6002
C6002
DWX2939
DWX
HPJK
L HPJK ASSY
(DNP2440-B)
CN110
IC104
IC105
79M09
78M09
C5804
C5802
D5802
C5801
D5801
C5803
HREG
K HREG ASSY
(DNP2440-B)

J K L

SIDE B

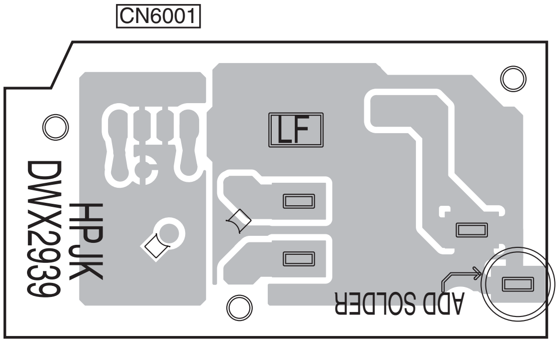
J HAMP ASSY


JH101
LF
CN5602
CN5601


CN110
DWX2940-
HREG
LF
V+15HP
V-9HP
V-15HP
[[G]]
A30C5C7
V+9HP
G_HP
G_HP

K HREG ASSY

(DNP2440-B)

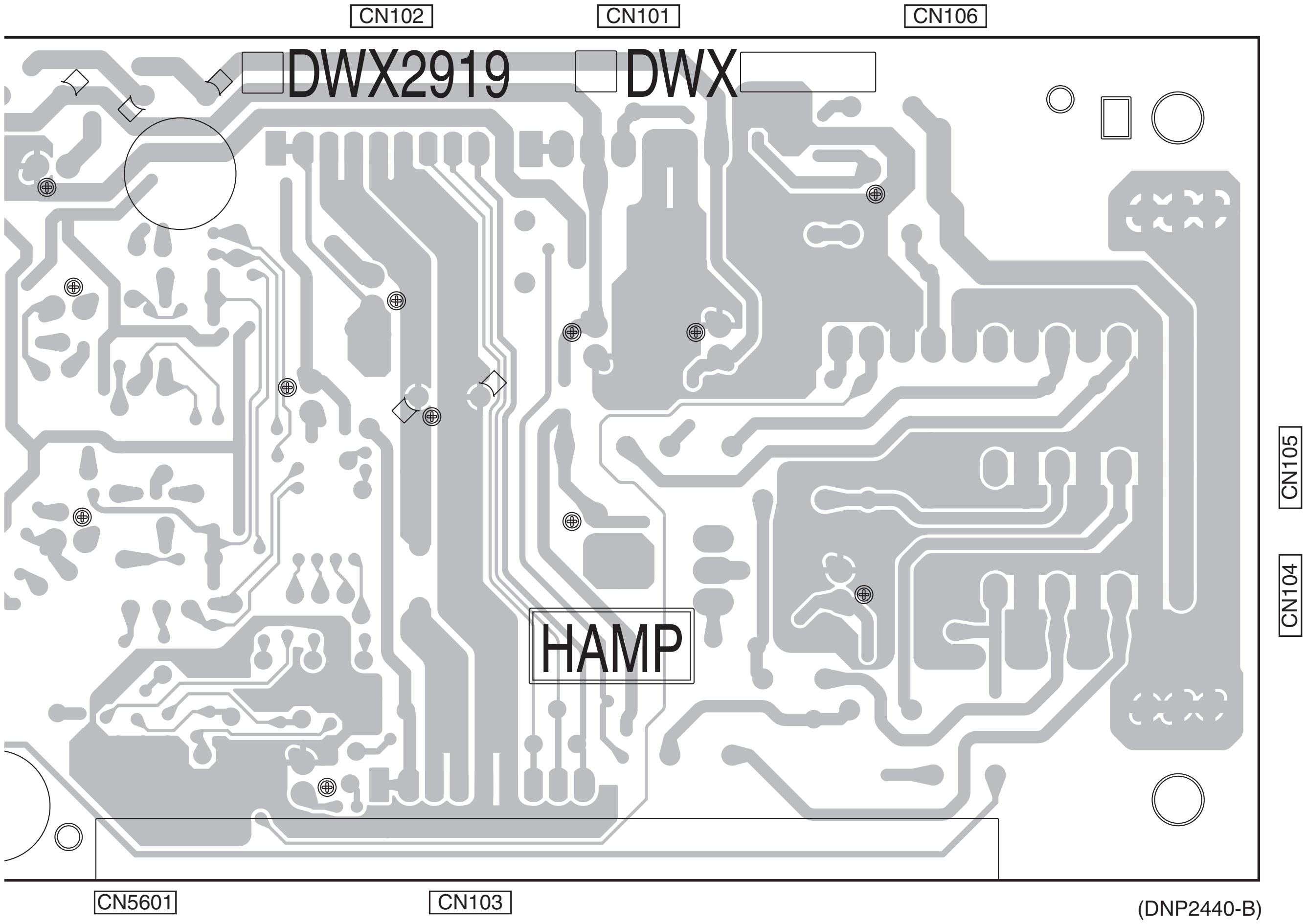

CN6001
LF
HPJK
DWX2939
ADD SOLDER

(DNP2440-B)

L HPJK ASSY

SIDE B

A


CN102
CN101
CN106
DWX2919
DWX
CN105
CN104
HAMP
CN5601
CN103
(DNP2440-B)

B

C

D

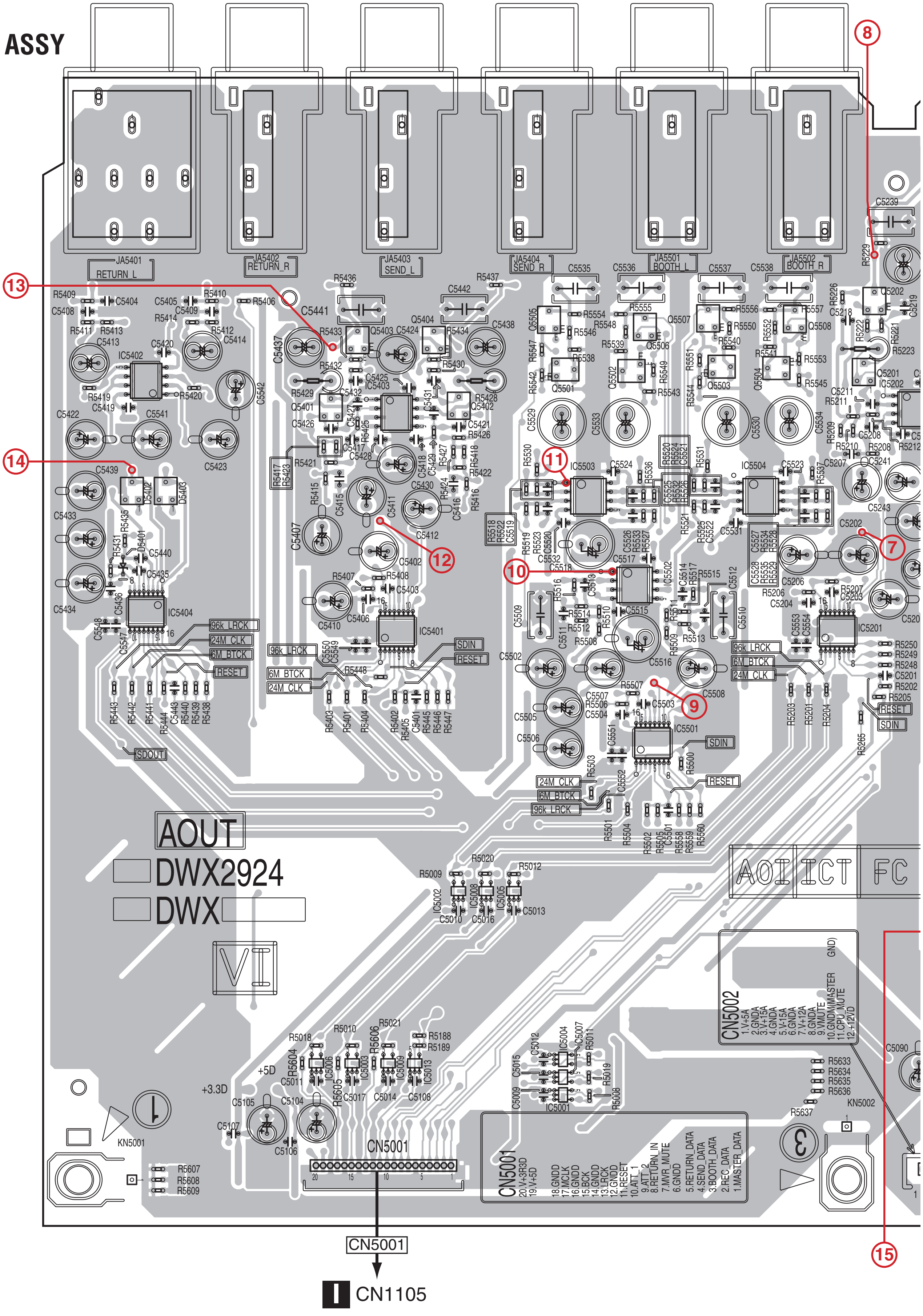
E

F

11.7 AOUT ASSY

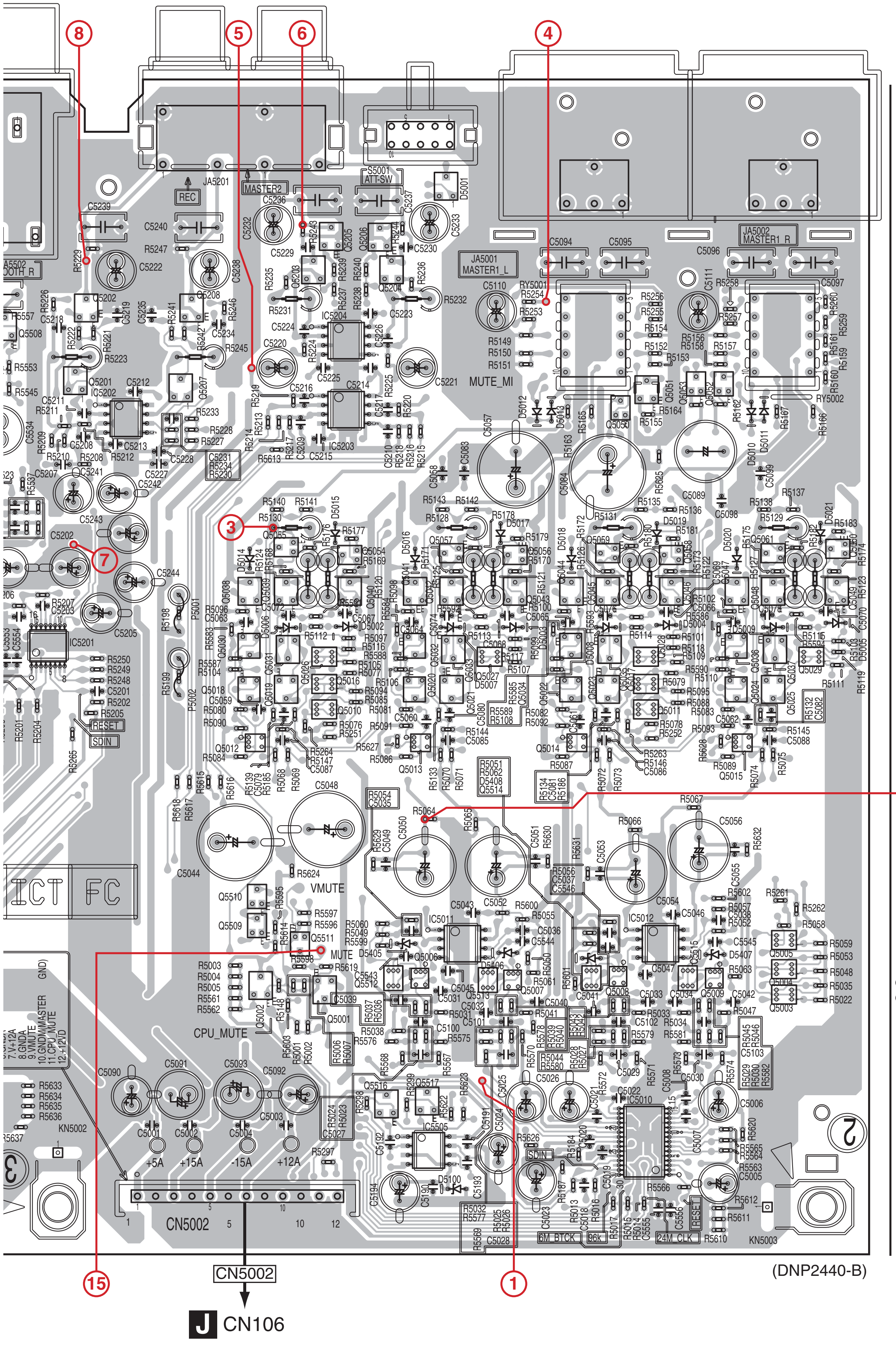
SIDE A

M AOUT ASSY


JA5401
RETURN_L
JA5402
RETURN_R
JA5403
SEND_L
JA5404
SEND_R
JA5501
BOOTH_L
JA5502
BOOTH_R
IC5401
IC5402
IC5403
IC5404
IC5501
IC5502
IC5503
IC5504
IC5201
IC5202
Q5401
Q5402
Q5403
Q5404
Q5501
Q5502
Q5503
Q5504
Q5505
Q5506
Q5507
Q5508
Q5201
Q5202
D5401
D5402
D5403
96k_LRCK
24M_CLK
6M_BTCK
RESET
SDIN
SDOUT
AOUT
DWX2924
DWX
VI
AOI
ICT
FC
CN5002
1.V+5A
2.GNDA
3.V+15A
4.GNDA
5.V-15A
6.GNDA
7.V+12A
8.GNDA
9.VMUTE
10.GND(MASTER GND)
11.CPU_MUTE
12.+12VD
KN5002
KN5001
+5D
+3.3D
CN5001
20.V+3R3D
19.V+5D
18.GNDD
17.MCLK
16.GNDD
15.BCK
14.GNDD
13.LRCK
12.GNDD
11.RESET
10.ATT_1
9.ATT_2
8.RETURN_IN
7.MVR_MUTE
6.GNDD
5.RETURN_DATA
4.SEND_DATA
3.BOOTH_DATA
2.REC_DATA
1.MASTER_DATA
20
15
10
5
1
CN5001
I CN1105
7
8
9
10
11
12
13
14
15

NOTE: The encircled numbers denote measuring point.

SIDE A


⑧
⑤
⑥
④
③
⑦
②
①
⑮
JA5201
REC
MASTER2
S5001
ATT-SW
JA5001
MASTER1_L
JA5002
MASTER1_R
RY5001
RY5002
MUTE_MI
IC5204
IC5202
IC5203
IC5201
RESET
SDIN
VMUTE
MUTE
CPU_MUTE
IC5011
IC5012
IC5010
IC5505
6M_BTCK
96k
24M_CLK
RESET
KN5002
KN5003
+5A
+15A
-15A
+12A
CN5002
1
5
10
12
CN5002
J CN106
(DNP2440-B)

Q5205 Q5206
Q5203 Q5204
Q5208
Q5505 Q5202
Q5506 Q5508
Q5403 Q5507
Q5404
IC5204
Q5501 Q5201
Q5502 Q5504
Q5503 Q5207
IC5402
Q5050
Q5053
Q5401
Q5402
IC5202
IC5203
IC5403

IC5503 IC5504

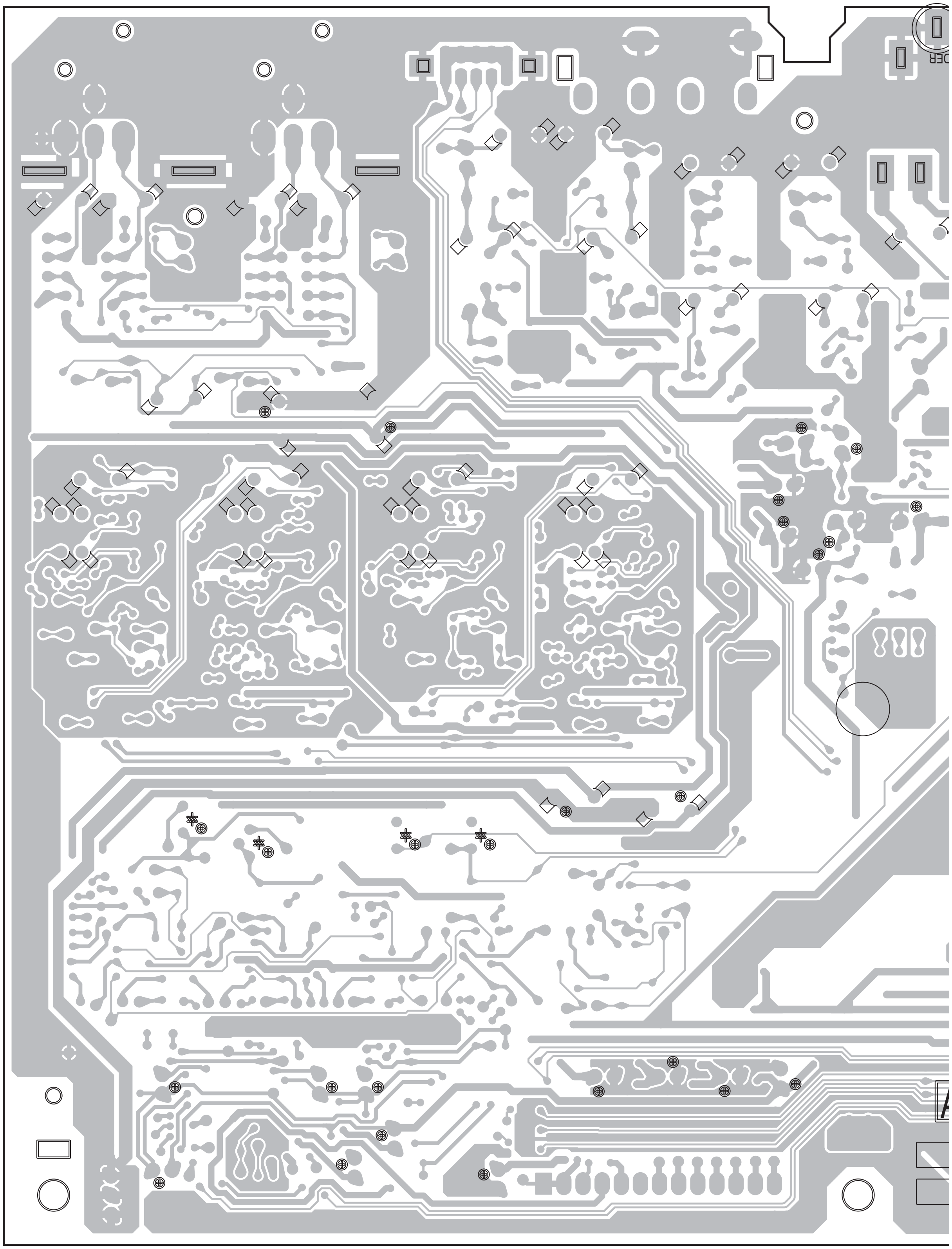
Q5054
Q5061
Q5038
Q5049
IC5502
IC5404
Q5030
Q5037
IC5401 IC5201
Q5026 Q5029
Q5016 Q5018
Q5010 Q5025
Q5012-Q5015
IC5501

IC5002 Q5510
IC5008
IC5005 Q5509
IC5011
Q5511 IC5012 Q5005
Q5512-5515
Q5004
Q5002 Q5006-5009
Q5001
Q5003

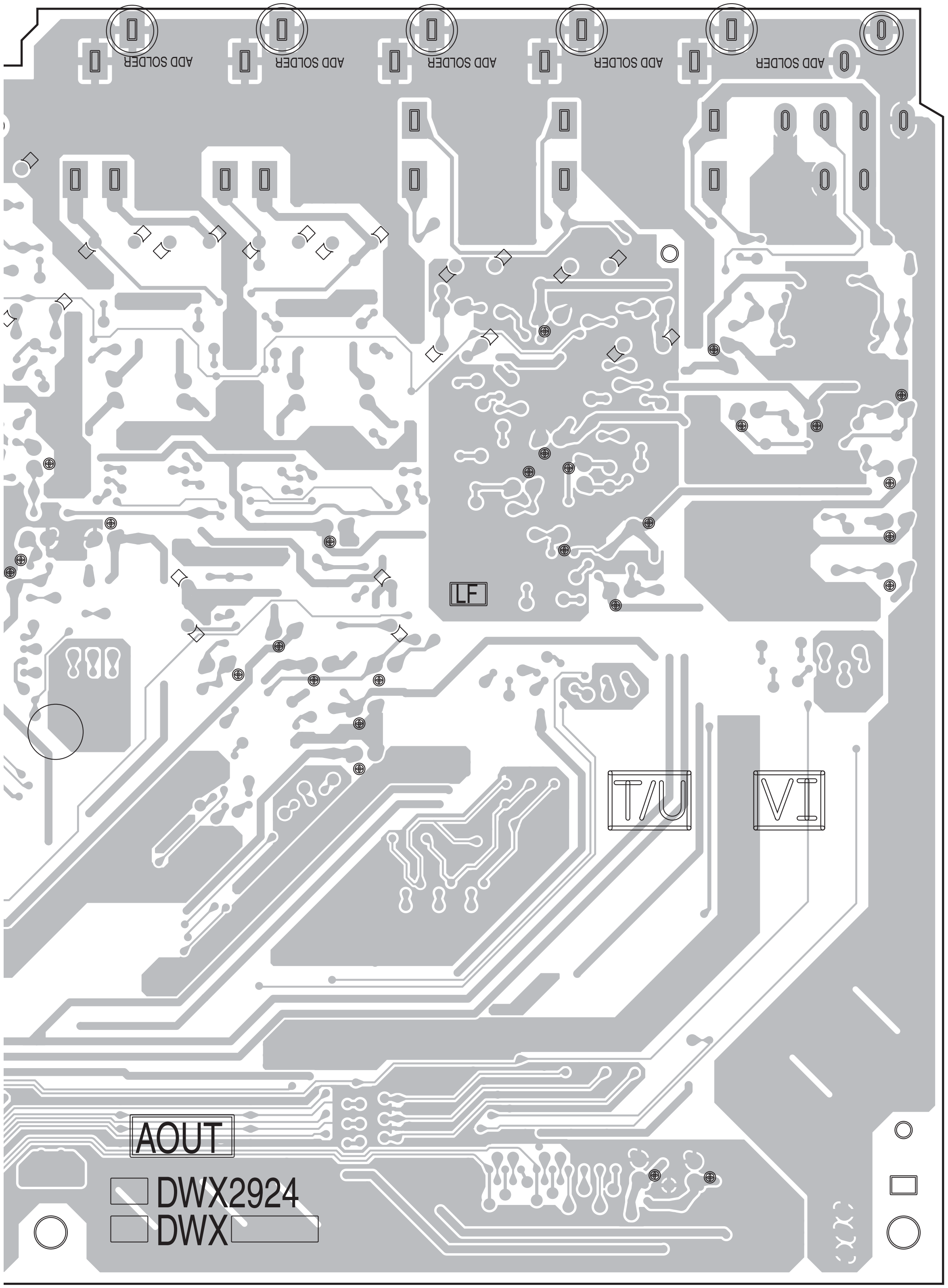
IC5006
IC5003
IC5009
IC5103 IC5007
Q5516
Q5517
IC5001
IC5010
IC5505

SIDE B

M AOUT ASSY


DER
A
CN5002

SIDE B

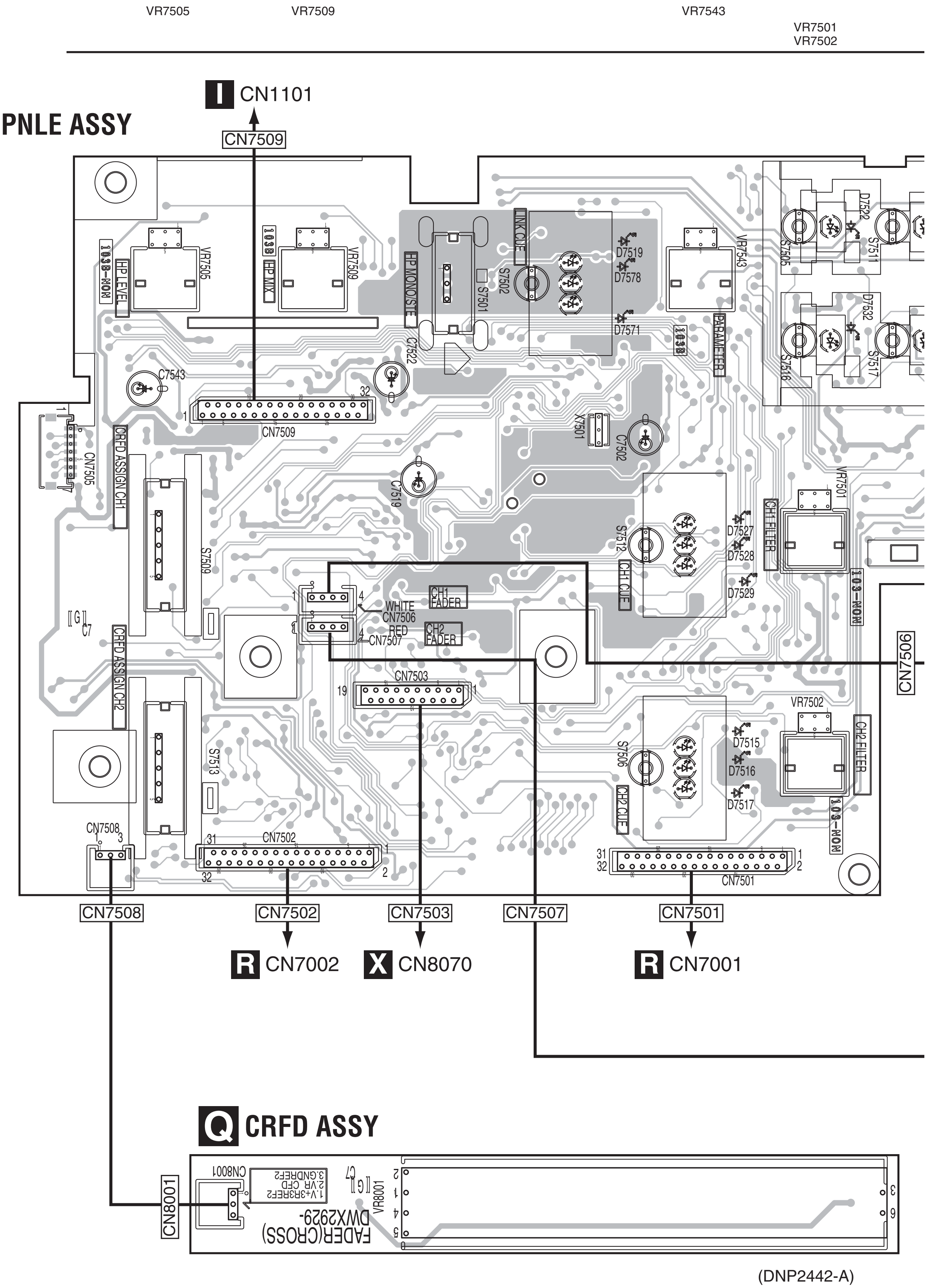

ADD SOLDER
ADD SOLDER
ADD SOLDER
ADD SOLDER
ADD SOLDER
LF
T/U
VI
AOUT
DWX2924
DWX

CN5001

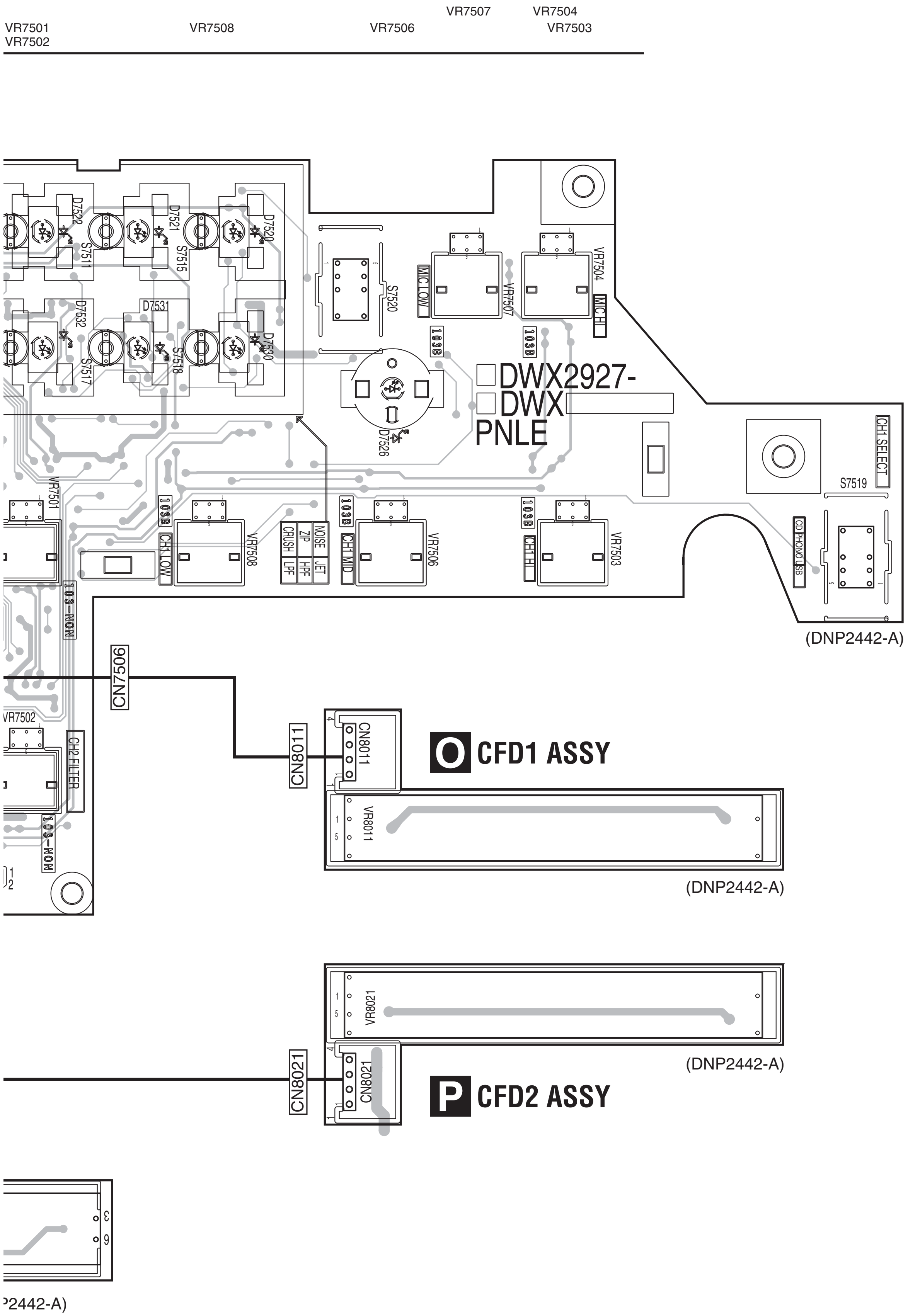
(DNP2440-B)

11.8 PNLE, CFD1, CFD2 and CRFD ASSYS

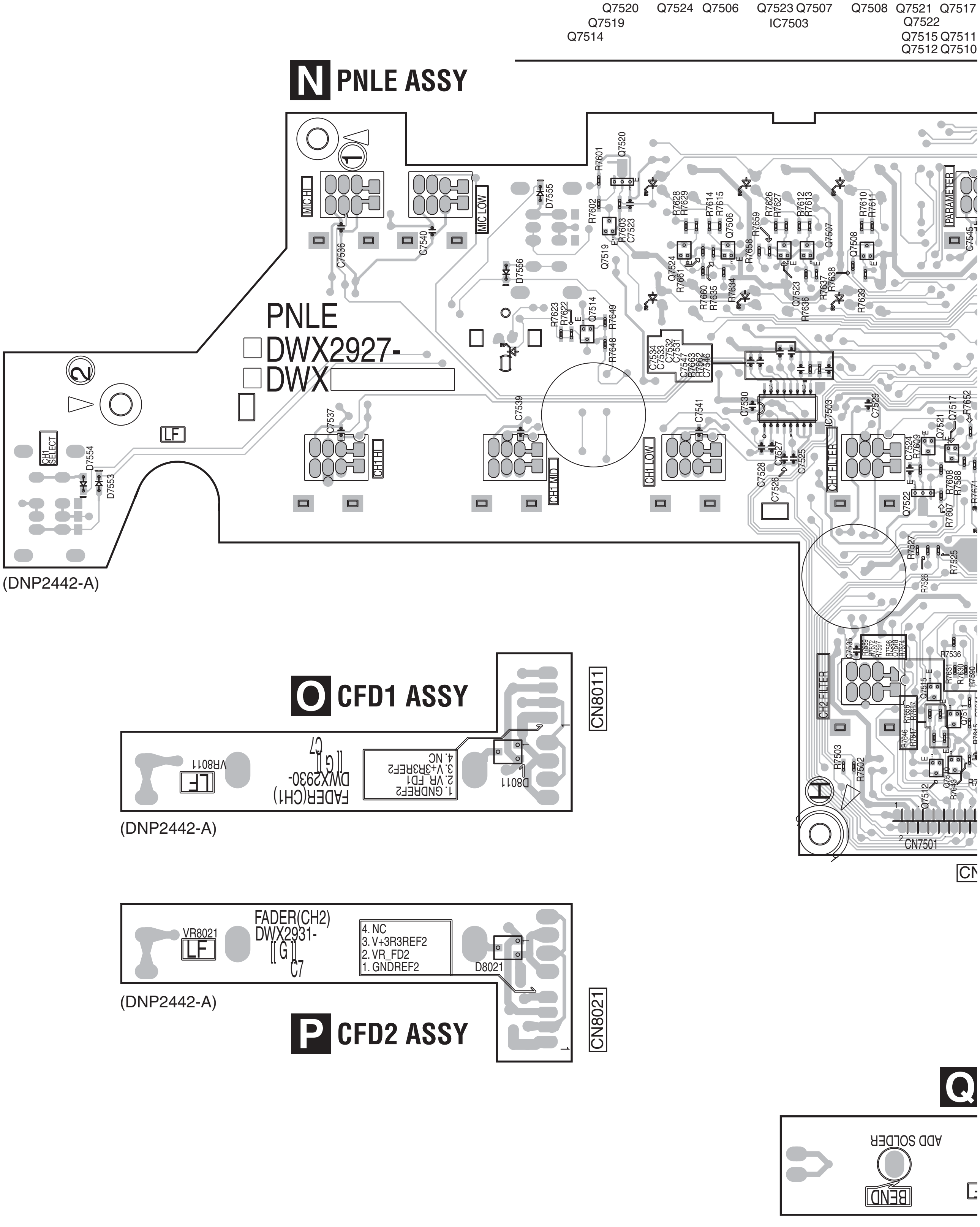
SIDE A


VR7505
VR7509
VR7543
VR7501
VR7502
I CN1101
CN7509
N PNLE ASSY
HP LEVEL
HP MIX
HP MONO/STE
LINK CUE
S7502
S7501
D7519
D7578
D7571
C7522
C7543
PARAMETER
S7505
S7511
D7522
S7516
S7517
D7532
CN7505
CRFD ASSIGN CH1
CRFD ASSIGN CH2
S7509
S7513
X7501
C7502
C7519
S7512
CH1 CUE
CH1 FILTER
D7527
D7528
D7529
CH1 FADER
CH2 FADER
WHITE
CN7506
RED
CN7507
CN7503
19
1
VR7502
S7506
CH2 CUE
CH2 FILTER
D7515
D7516
D7517
CN7508
CN7502
31
32
2
CN7501
CN7506
CN7508
CN7502
CN7503
CN7507
CN7501
R CN7002
X CN8070
R CN7001
Q CRFD ASSY
CN8001
VR8001
FADER(CROSS)
DWX2929-
1.V+3R3REF2
2.VR CFD
3.GNDREF2
(DNP2442-A)

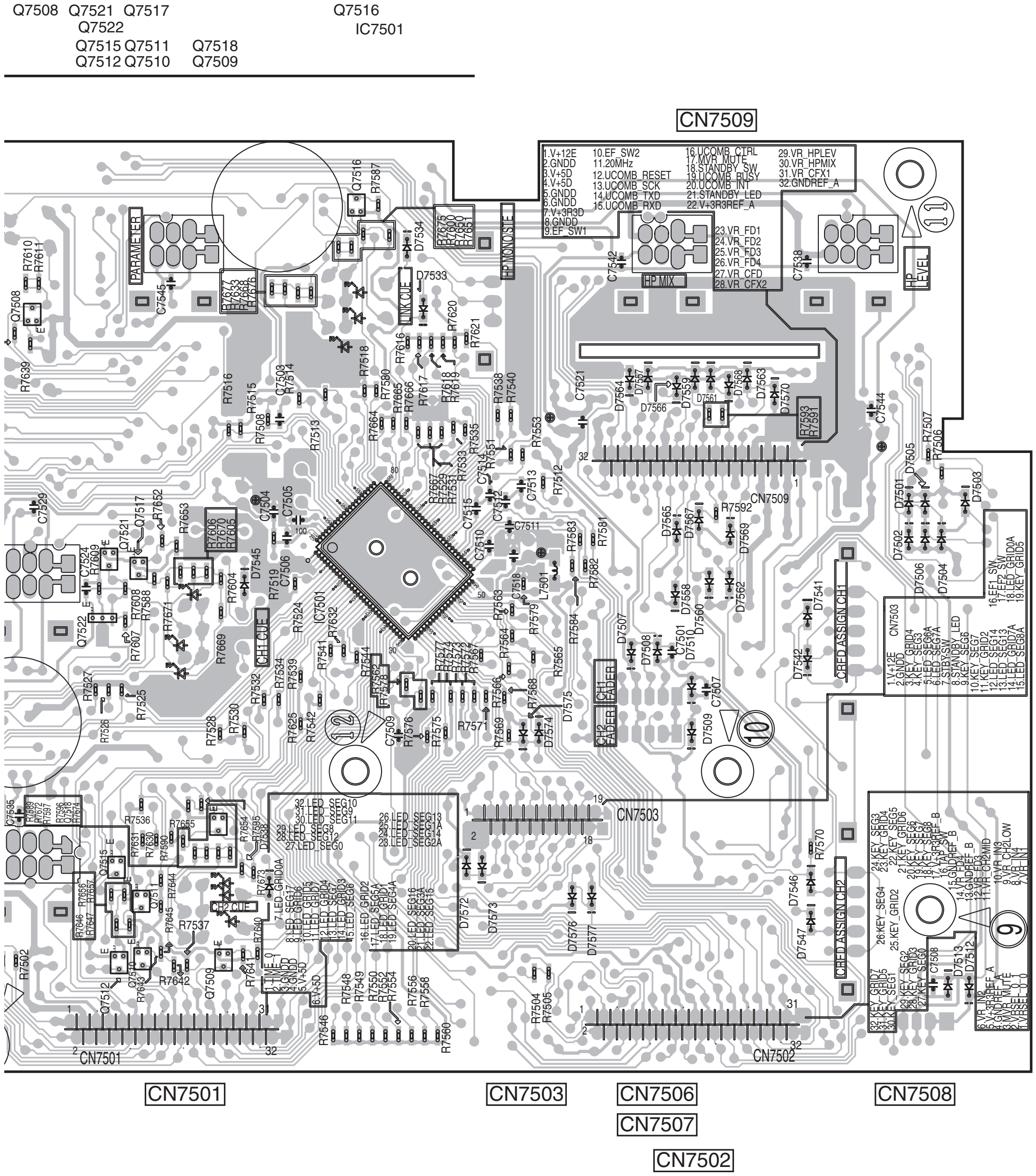
SIDE A


VR7501
VR7502
VR7508
VR7506
VR7507
VR7504
VR7503
D7522
D7521
D7520
S7511
S7515
S7520
D7532
D7531
D7530
S7517
S7518
D7526
MIC LOW
MIC HI
1038
DWX2927-
DWX
PNLE
CH1 SELECT
S7519
CD PHONO USB
CH3 LOW
NOISE
ZIP
CRUSH
JET
HPF
LPF
CH1 MID
CH1 HI
103-NON
CN7506
CH2 FILTER
CN8011
O CFD1 ASSY
VR8011
(DNP2442-A)
VR8021
CN8021
P CFD2 ASSY
(DNP2442-A)
(DNP2442-A)
P2442-A)

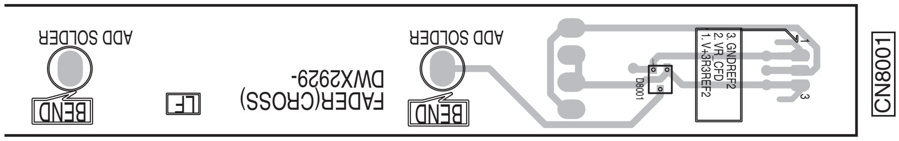
SIDE B


Q7520 Q7524 Q7506 Q7523 Q7507 Q7508 Q7521 Q7517
Q7519
Q7514
IC7503
Q7522
Q7515 Q7511
Q7512 Q7510
N PNLE ASSY
PNLE
DWX2927-
DWX
MIC HI
MIC LOW
PARAMETER
CH1 SELECT
CH1 HI
CH1 MID
CH1 LOW
CH1 FILTER
CH2 FILTER
LF
D7555
D7556
D7554
D7553
C7536
C7540
C7537
C7539
C7541
C7530
C7503
C7529
C7528
C7526
C7525
C7527
C7545
R7601
R7602
R7603
C7523
R7628
R7629
R7614
R7615
R7626
R7627
R7612
R7613
R7610
R7611
R7659
R7658
R7661
R7660
R7635
R7634
R7636
R7637
R7638
R7639
R7623
R7622
R7649
R7648
R7652
R7609
R7608
R7588
R7607
R7671
R7527
R7526
R7525
R7536
R7503
R7502
R7631
R7656
R7657
R7646
R7647
R7643
Q7524
Q7514
Q7521
Q7522
Q7515
Q7512
C7534
C7533
C7532
C7531
C7547
R7663
R7662
C7546
C7524
CN7501
(DNP2442-A)
O CFD1 ASSY
CN8011
VR8011
LF
FADER(CH1)
DWX2930-
[[G]]
C7
4. NC
3. V+3R3REF2
2. VR_FD1
1. GNDREF2
D8011
(DNP2442-A)
FADER(CH2)
DWX2931-
[[G]]
C7
VR8021
LF
4. NC
3. V+3R3REF2
2. VR_FD2
1. GNDREF2
D8021
CN8021
(DNP2442-A)
P CFD2 ASSY
Q
ADD SOLDER
BEND
(DNP2442-A)

SIDE B


Q7508 Q7521 Q7517
Q7522
Q7515 Q7511 Q7518
Q7512 Q7510 Q7509
Q7516
IC7501
CN7509
PARAMETER
HP MONO/STE
LINK CUE
HP MIX
HP LEVEL
CH1 CUE
CH2 CUE
CH1 FADER
CH2 FADER
CRFD ASSIGN CH1
CRFD ASSIGN CH2
CN7503
CN7501
CN7502
CN7501
CN7503
CN7506
CN7508
CN7507
CN7502
12
11
10
9

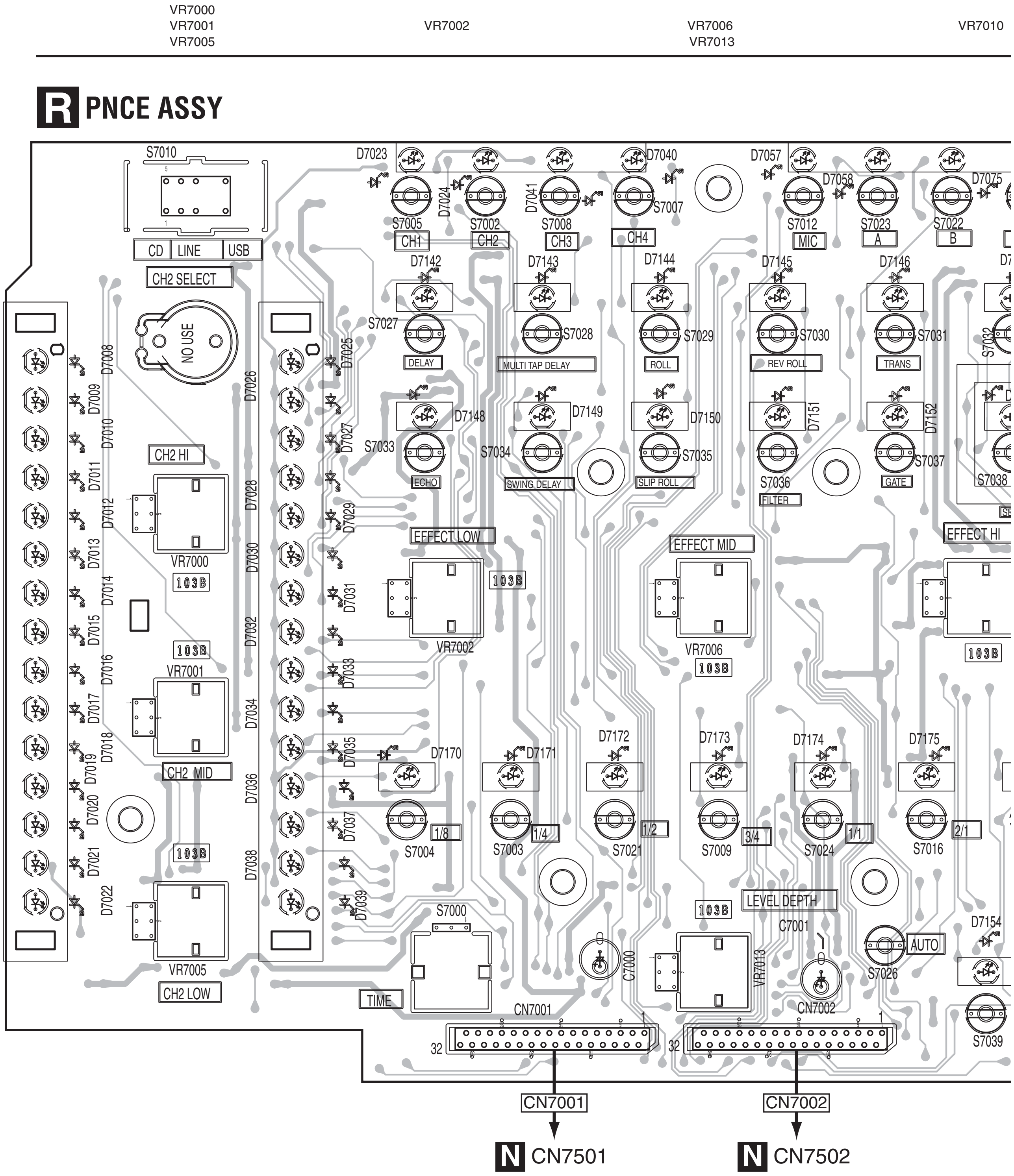
Q CRFD ASSY


ADD SOLDER
ADD SOLDER
BEND
BEND
LF
DWX2929-
FADER(CROSS)
1. V+3R3REF2
2. VR_CFD
3. GNDREF2
D8001
CN8001

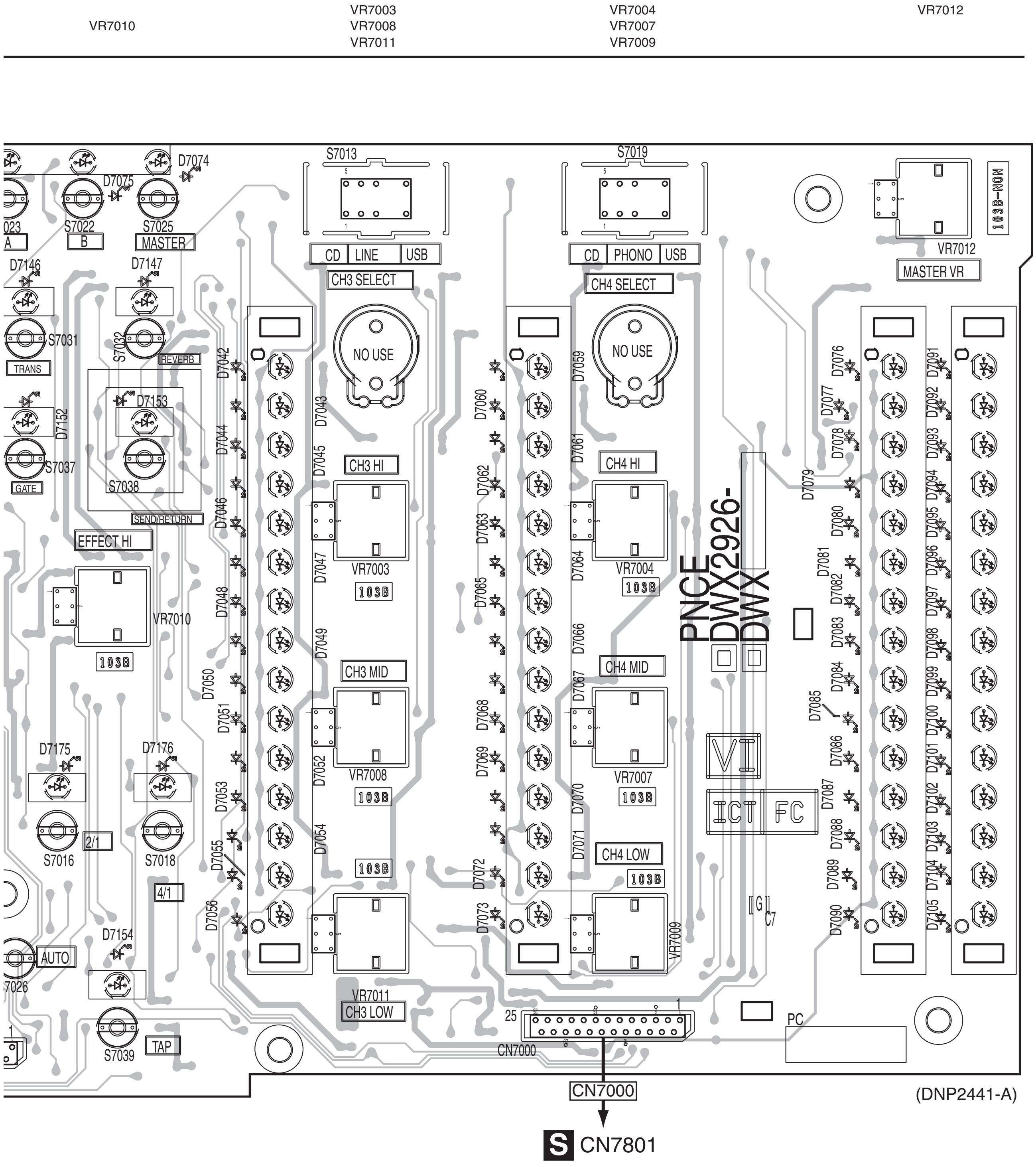
NP2442-A)

11.9 PNCE ASSY

SIDE A


VR7000
VR7001
VR7005
VR7002
VR7006
VR7013
VR7010
R PNCE ASSY
S7010
CD
LINE
USB
CH2 SELECT
NO USE
D7008
D7009
D7010
D7011
D7012
D7013
D7014
D7015
D7016
D7017
D7018
D7019
D7020
D7021
D7022
CH2 HI
VR7000
103B
103B
VR7001
CH2 MID
103B
VR7005
CH2 LOW
D7026
D7028
D7030
D7032
D7034
D7036
D7038
D7025
D7027
D7029
D7031
D7033
D7035
D7037
D7039
D7023
D7024
D7041
D7040
D7057
D7058
D7075
S7005
S7002
S7008
S7007
S7012
S7023
S7022
CH1
CH2
CH3
CH4
MIC
A
B
D7142
D7143
D7144
D7145
D7146
S7027
S7028
S7029
S7030
S7031
S7032
DELAY
MULTI TAP DELAY
ROLL
REV ROLL
TRANS
D7148
D7149
D7150
D7151
D7152
S7033
S7034
S7035
S7036
S7037
S7038
ECHO
SWING DELAY
SLIP ROLL
FILTER
GATE
EFFECT LOW
103B
VR7002
EFFECT MID
VR7006
103B
EFFECT HI
103B
D7170
D7171
D7172
D7173
D7174
D7175
S7004
S7003
S7021
S7009
S7024
S7016
1/8
1/4
1/2
3/4
1/1
2/1
S7000
TIME
C7000
CN7001
103B
LEVEL DEPTH
C7001
VR7013
CN7002
AUTO
S7026
D7154
S7039
32
1
32
1
CN7001
CN7002
N CN7501
N CN7502

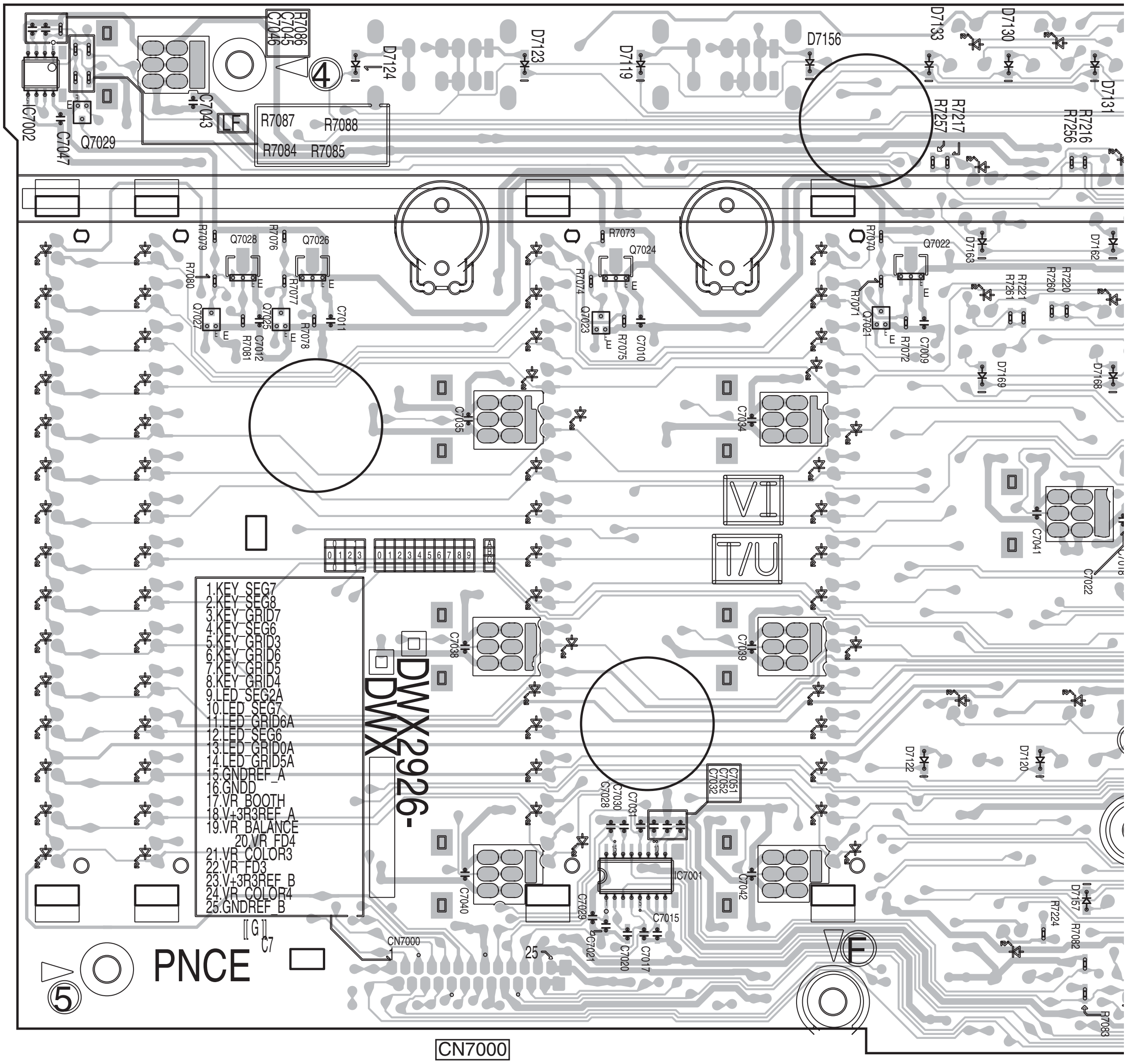
SIDE A


VR7010
VR7003
VR7008
VR7011
VR7004
VR7007
VR7009
VR7012
D7074
D7075
S7022
S7025
B
MASTER
D7146
D7147
S7031
S7032
TRANS
REVERB
D7153
D7152
S7037
S7038
GATE
SEND/RETURN
EFFECT HI
VR7010
103B
D7175
D7176
S7016
S7018
2/1
4/1
D7154
AUTO
S7039
TAP
S7013
CD
LINE
USB
CH3 SELECT
NO USE
CH3 HI
VR7003
103B
CH3 MID
VR7008
103B
103B
VR7011
CH3 LOW
D7042
D7043
D7044
D7045
D7046
D7047
D7048
D7049
D7050
D7051
D7052
D7053
D7054
D7055
D7056
S7019
CD
PHONO
USB
CH4 SELECT
NO USE
CH4 HI
VR7004
103B
CH4 MID
VR7007
103B
CH4 LOW
103B
VR7009
D7059
D7060
D7061
D7062
D7063
D7064
D7065
D7066
D7067
D7068
D7069
D7070
D7071
D7072
D7073
PNCE
DWX2926-
DWX
VI
ICT
FC
C7
103B-NON
VR7012
MASTER VR
D7076
D7077
D7078
D7079
D7080
D7081
D7082
D7083
D7084
D7085
D7086
D7087
D7088
D7089
D7090
D7091
D7092
D7093
D7094
D7095
D7096
D7097
D7098
D7099
D7100
D7101
D7102
D7103
D7104
D7105
25
1
CN7000
PC
CN7000
(DNP2441-A)
S
CN7801

SIDE B

IC7002 Q7029 Q7028 Q7026 Q7027 Q7025 Q7024 Q7023 IC7001 Q7022 Q7021

R PNCE ASSY



IC7002
C7047
Q7029
C7043
R7086
C7045
C7046
LF
R7087
R7088
R7084
R7085
D7124
D7123
D7119
D7156
D7133
D7130
D7131
R7217
R7257
R7216
R7256
R7079
Q7028
R7076
Q7026
R7080
R7077
Q7027
C7025
R7078
C7011
C7012
R7081
R7073
Q7024
R7074
Q7023
R7075
C7010
R7070
Q7022
D7163
D7162
R7071
Q7021
R7072
C7009
R7221
R7261
R7220
R7260
D7169
D7168
C7035
C7034
VI
T/U
C7041
C7022
1.KEY_SEG7
2.KEY_SEG8
3.KEY_GRID7
4.KEY_SEG6
5.KEY_GRID3
6.KEY_GRID6
7.KEY_GRID5
8.KEY_GRID4
9.LED_SEG2A
10.LED_SEG7
11.LED_GRID6A
12.LED_SEG6
13.LED_GRID0A
14.LED_GRID5A
15.GNDREF_A
16.GNDD
17.VR_BOOTH
18.V+3R3REF_A
19.VR_BALANCE
20.VR_FD4
21.VR_COLOR3
22.VR_FD3
23.V+3R3REF_B
24.VR_COLOR4
25.GNDREF_B
[G]
C7
DWX2926-
DWX
C7038
C7039
D7122
D7120
C7051
C7052
C7032
C7028
C7030
C7031
IC7001
C7040
C7042
C7029
C7015
C7021
C7020
C7017
D7157
R7224
R7082
R7083
CN7000
25
F
PNCE
5
4
CN7000

SIDE B

A

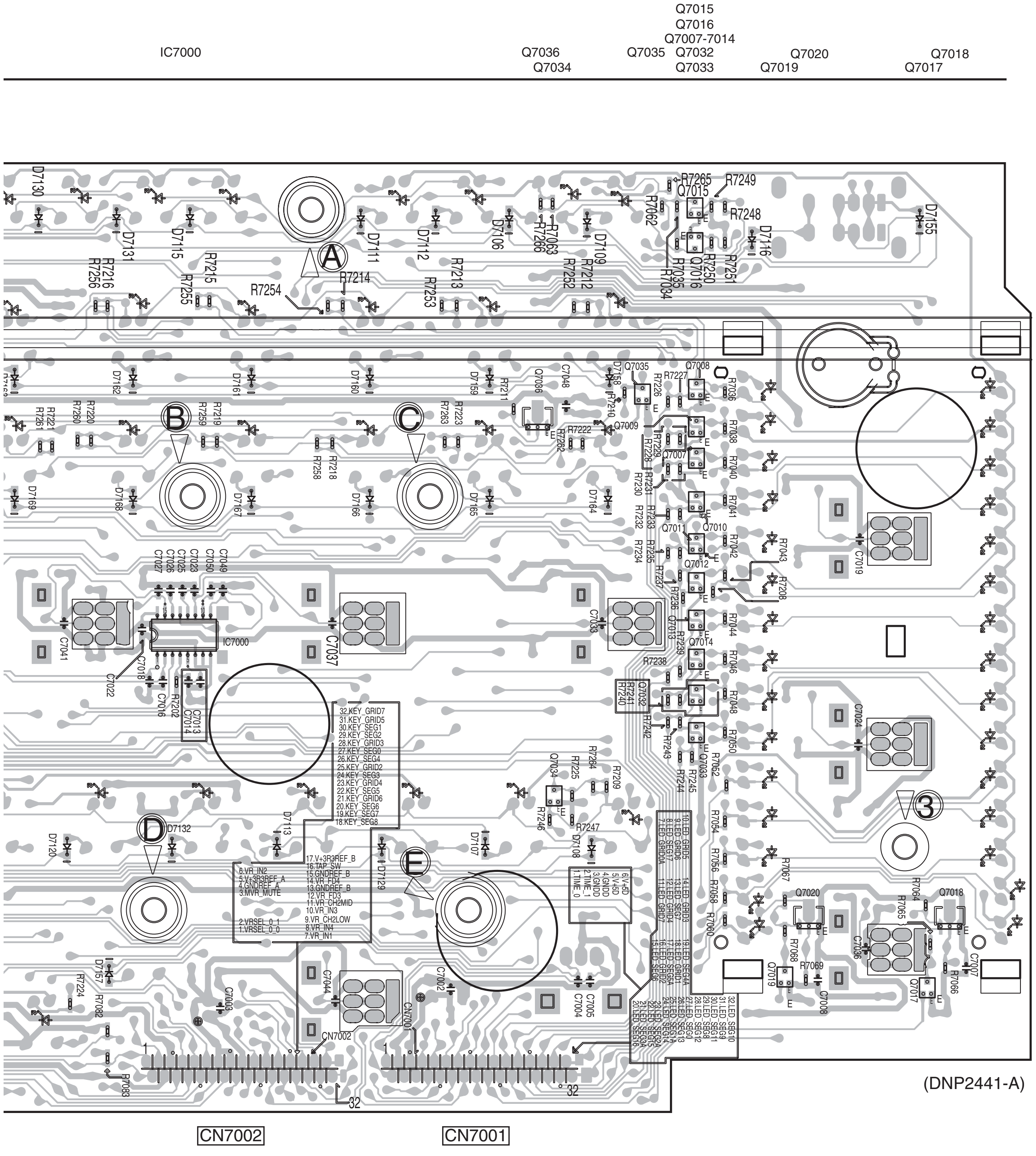
B

C

D

E

F



IC7000
Q7036
Q7034
Q7035
Q7015
Q7016
Q7007-7014
Q7032
Q7033
Q7020
Q7019
Q7018
Q7017
A
B
C
D
E
3
IC7000
C7037
C7041
C7033
C7019
C7024
C7036
C7044
C7002
C7004
C7005
C7008
C7007
D7130
D7131
D7115
D7111
D7112
D7106
D7109
D7116
D7155
D7132
D7113
D7107
D7108
D7129
D7120
D7157
R7265
R7249
R7248
R7062
R7254
R7214
R7208
R7238
R7240
R7241
R7242
R7243
R7244
R7245
R7246
R7247
R7224
R7082
R7083
R7067
R7064
R7065
R7066
R7068
R7069
CN7002
CN7001
1
32
32.KEY_GRID7
31.KEY_GRID5
30.KEY_SEG1
29.KEY_SEG2
28.KEY_GRID3
27.KEY_SEG0
26.KEY_SEG4
25.KEY_GRID2
24.KEY_SEG3
23.KEY_GRID4
22.KEY_SEG5
21.KEY_GRID6
20.KEY_SEG6
19.KEY_SEG7
18.KEY_SEG8
17.V+3R3REF_B
16.TAP_SW
15.GNDREF_B
14.VR_FD4
13.GNDREF_B
12.VR_FD3
11.VR_CH2MID
10.VR_IN3
9.VR_CH2LOW
8.VR_IN4
7.VR_IN1
6.VR_IN2
5.V+3R3REF_A
4.GNDREF_A
3.MVR_MUTE
2.VRSEL_0_1
1.VRSEL_0_0
6.V+5D
5.V+5D
4.GNDD
3.GNDD
2.TIME_1
1.TIME_0

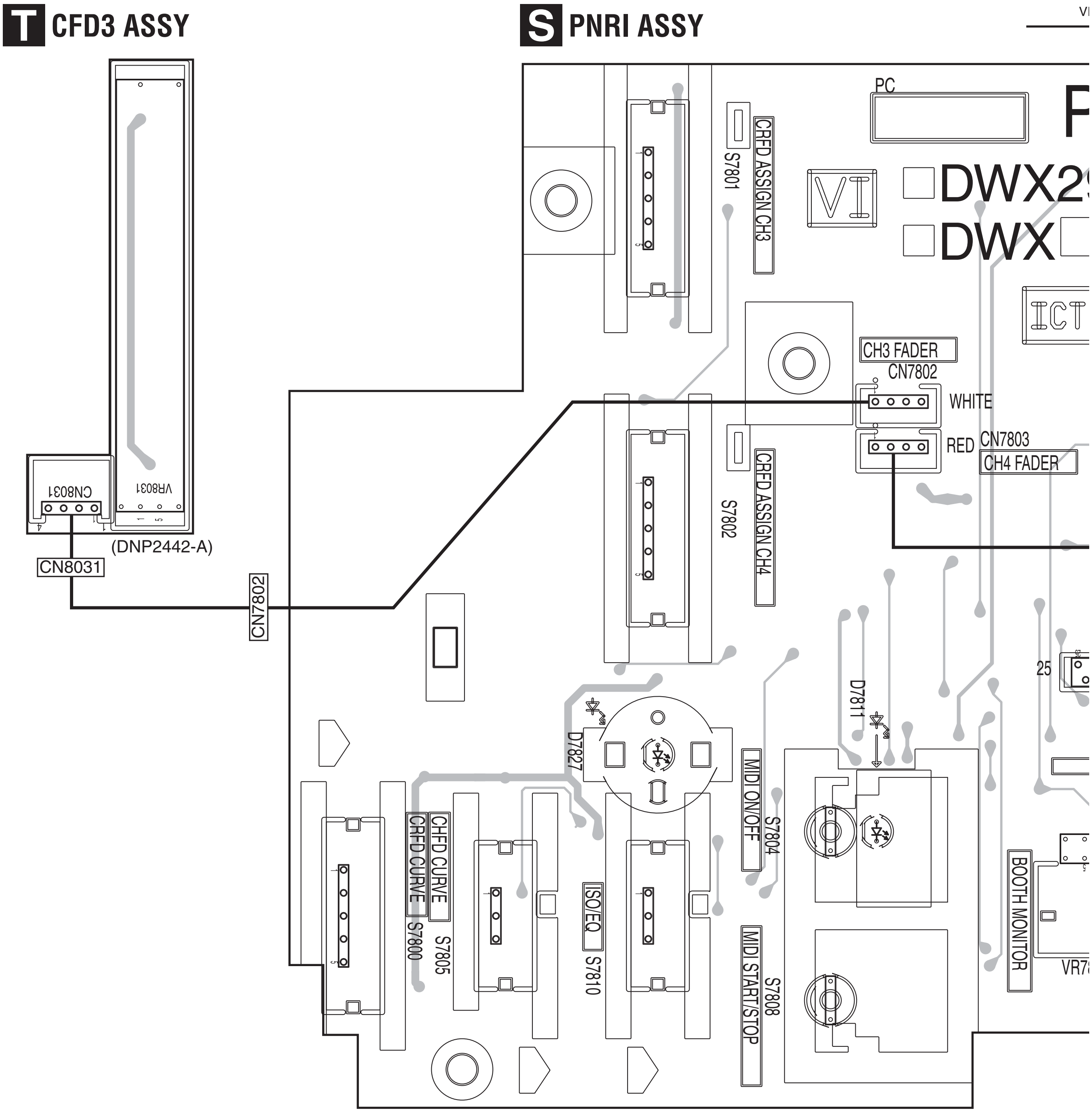
CN7002 CN7001

(DNP2441-A)

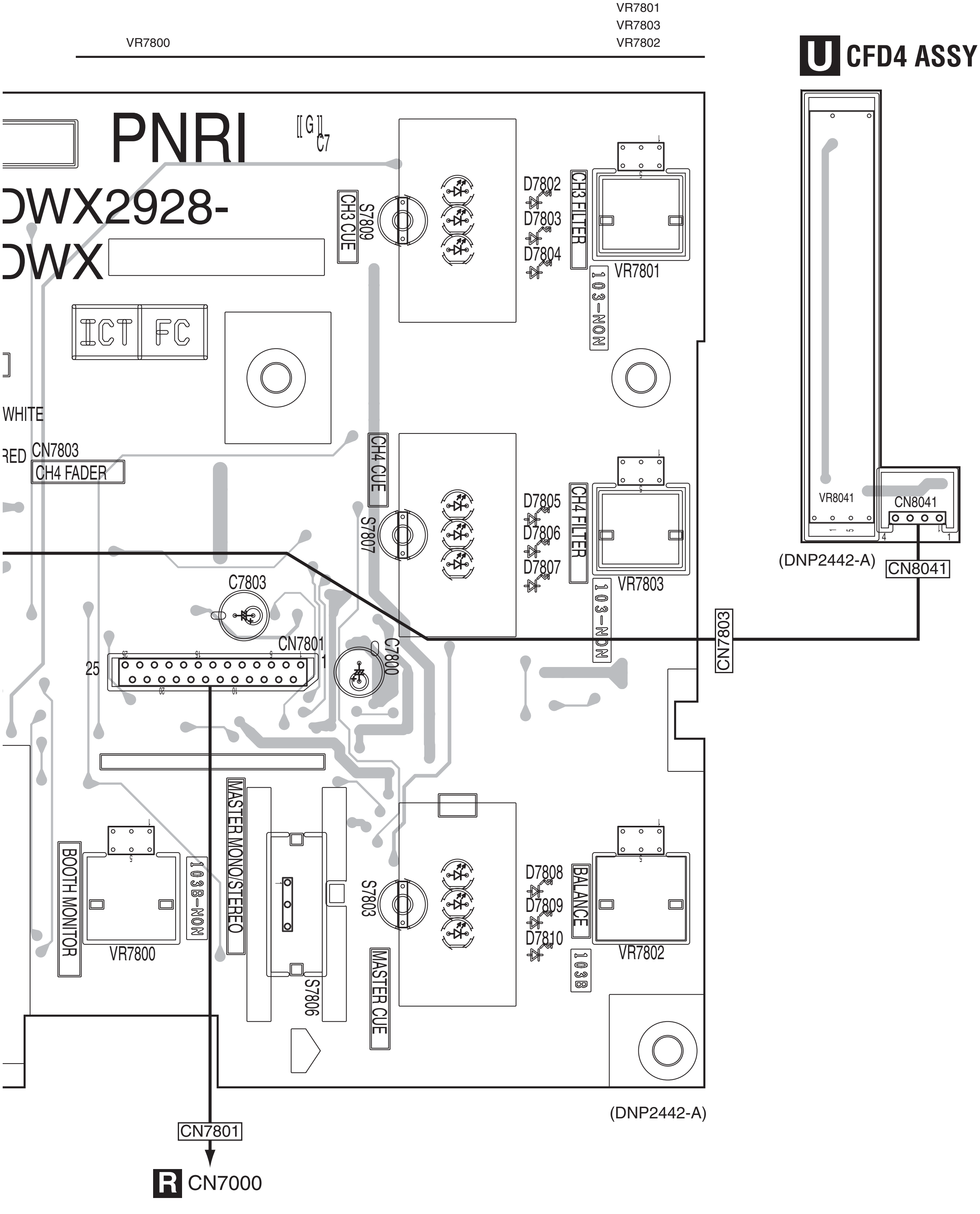
R

11.10 PNRI, CFD3 and CFD4 ASSYS

SIDE A

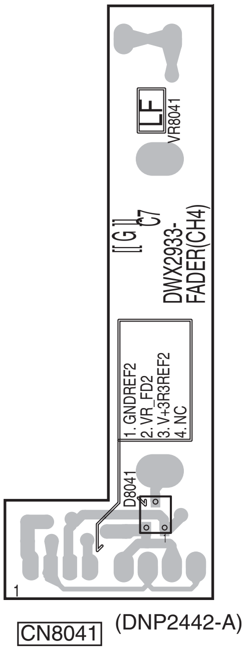

T CFD3 ASSY
S PNRI ASSY
VR8031
CN8031
(DNP2442-A)
CN8031
CN7802
PC
DWX2
DWX
VI
ICT
CRFD ASSIGN CH3
S7801
CH3 FADER
CN7802
WHITE
RED
CN7803
CH4 FADER
S7802
CRFD ASSIGN CH4
D7811
25
D7827
MIDI ON/OFF
S7804
CRFD CURVE
CHFD CURVE
S7800
S7805
ISO/EQ
S7810
MIDI START/STOP
S7808
BOOTH MONITOR

SIDE A


VR7800
VR7801
VR7803
VR7802
U CFD4 ASSY
PNRI
[[G]]
C7
DWX2928-
DWX
ICT
FC
WHITE
RED
CN7803
CH4 FADER
S7809
CH3 CUE
D7802
D7803
D7804
CH3 FILTER
VR7801
103-NON
CH4 CUE
S7807
D7805
D7806
D7807
CH4 FILTER
VR7803
103-NON
C7803
CN7801
25
1
C7800
CN7803
VR8041
CN8041
(DNP2442-A)
CN8041
BOOTH MONITOR
VR7800
103B-NON
MASTER MONO/STEREO
S7806
S7803
MASTER CUE
D7808
D7809
D7810
BALANCE
103B
VR7802
(DNP2442-A)
CN7801
R CN7000

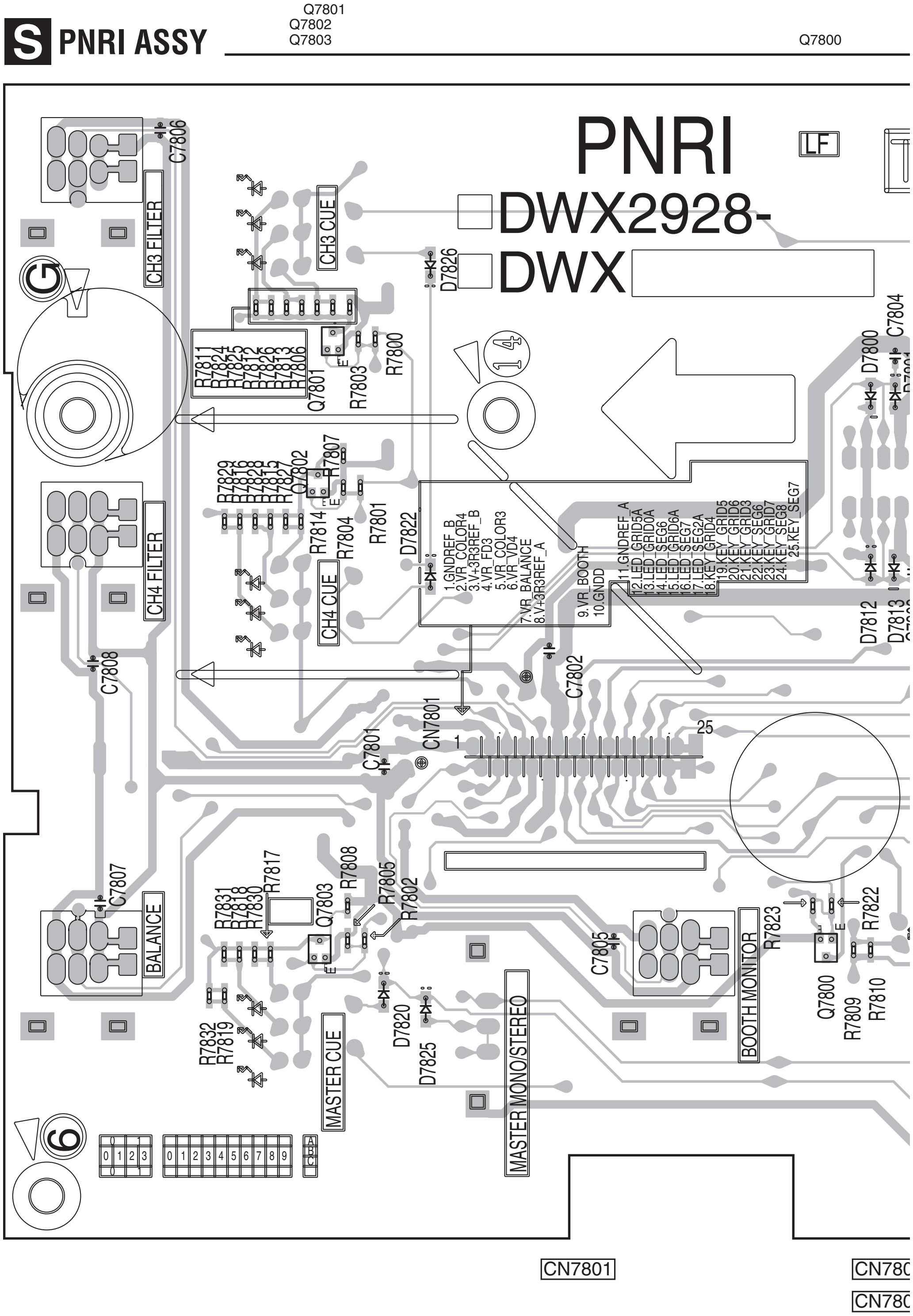
SIDE B

U CFD4 ASSY



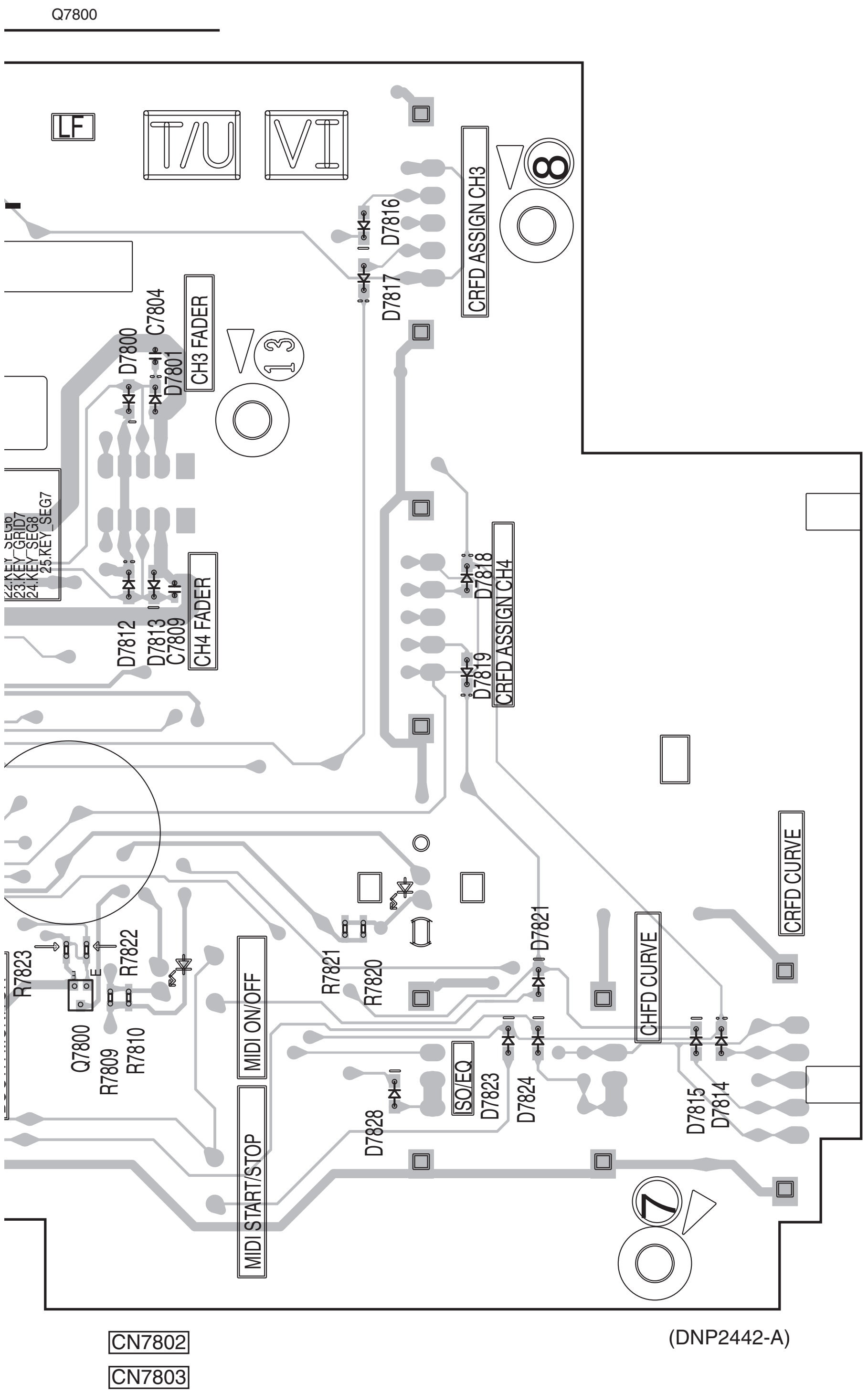
LF
VR8041
[G]
C7
DWX2933-
FADER(CH4)
1. GNDREF2
2. VR_FD2
3. V+3R3REF2
4. NC
D8041
1
CN8041
(DNP2442-A)

S PNRI ASSY

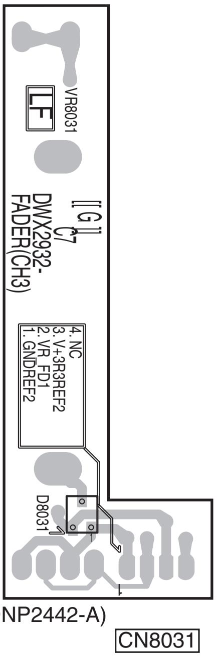


Q7801
Q7802
Q7803
Q7800
PNRI
LF
DWX2928-
DWX
C7806
CH3 FILTER
CH3 CUE
D7826
R7811
R7824
R7825
R7812
R7826
R7816
R7813
R7806
Q7801
R7803
R7800
C7804
D7800
R7829
R7816
R7828
R7815
R7827
Q7802
R7807
R7814
R7804
R7801
D7822
CH4 FILTER
CH4 CUE
1.GNDREF_B
2.VR_COLOR4
3.V+3R3REF_B
4.VR_FD3
5.VR_COLOR3
6.VR_VD4
7.VR_BALANCE
8.V+3R3REF_A
9.VR_BOOTH
10.GNDD
11.GNDREF_A
12.LED_GRID5A
13.LED_GRID0A
14.LED_SEG6
15.LED_SEG6A
16.LED_SEG7
17.LED_SEG2A
18.KEY_GRID4
19.KEY_GRID5
20.KEY_GRID6
21.KEY_GRID3
22.KEY_SEG6
23.KEY_GRID7
24.KEY_SEG8
25.KEY_SEG7
D7812
D7813
C7808
C7802
CN7801
C7801
1
25
C7807
BALANCE
R7831
R7818
R7830
R7817
Q7803
R7808
R7805
R7802
C7805
BOOTH MONITOR
R7823
R7822
Q7800
R7809
R7810
R7832
R7819
D7820
D7825
MASTER CUE
MASTER MONO/STEREO
G
14
6
0 1 2 3
0 1 2 3 4 5 6 7 8 9
A B C
CN7801
CN780
CN780

SIDE B


Q7800
LF
T/U
VI
8
13
7
D7816
D7817
CRFD ASSIGN CH3
C7804
D7800
D7801
CH3 FADER
22.KEY_SEG6
23.KEY_GRID7
24.KEY_SEG8
25.KEY_SEG7
D7812
D7813
C7809
CH4 FADER
D7818
D7819
CRFD ASSIGN CH4
CRFD CURVE
CHFD CURVE
D7821
R7821
R7820
R7823
R7822
Q7800
R7809
R7810
E
MIDI ON/OFF
MIDI START/STOP
ISO/EQ
D7823
D7824
D7828
D7815
D7814
(DNP2442-A)
CN7802
CN7803

T CFD3 ASSY


VR8031
LF
[[G]]
C7
DWX2932-
FADER(CH3)
4. NC
3. V+3R3REF2
2. VR_FD1
1. GNDREF2
D8031
1
(DNP2442-A)
CN8031

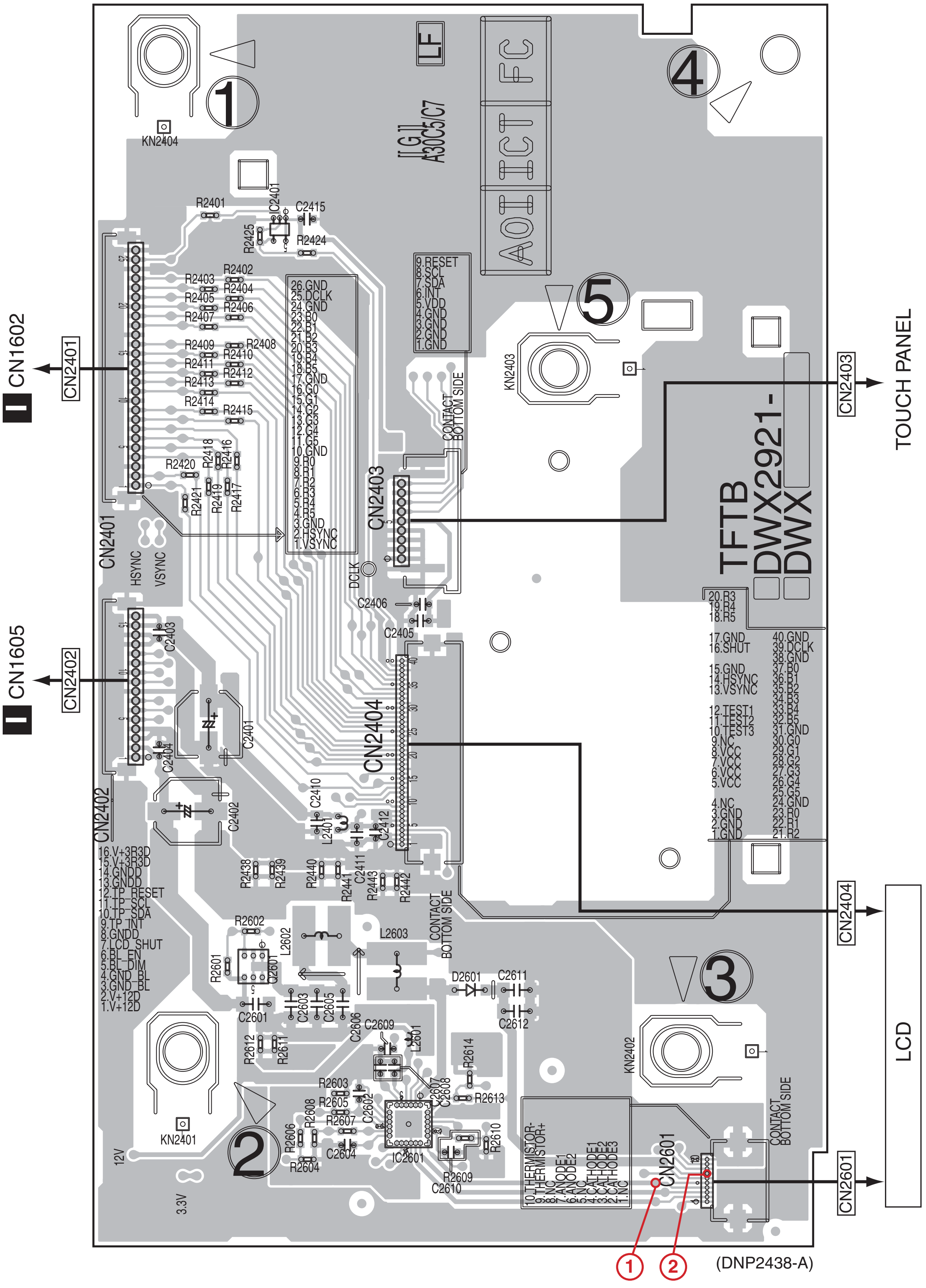
11.11 TFTB ASSY

SIDE A

NOTE: The encircled numbers denote measuring point.

SIDE A

V TFTB ASSY

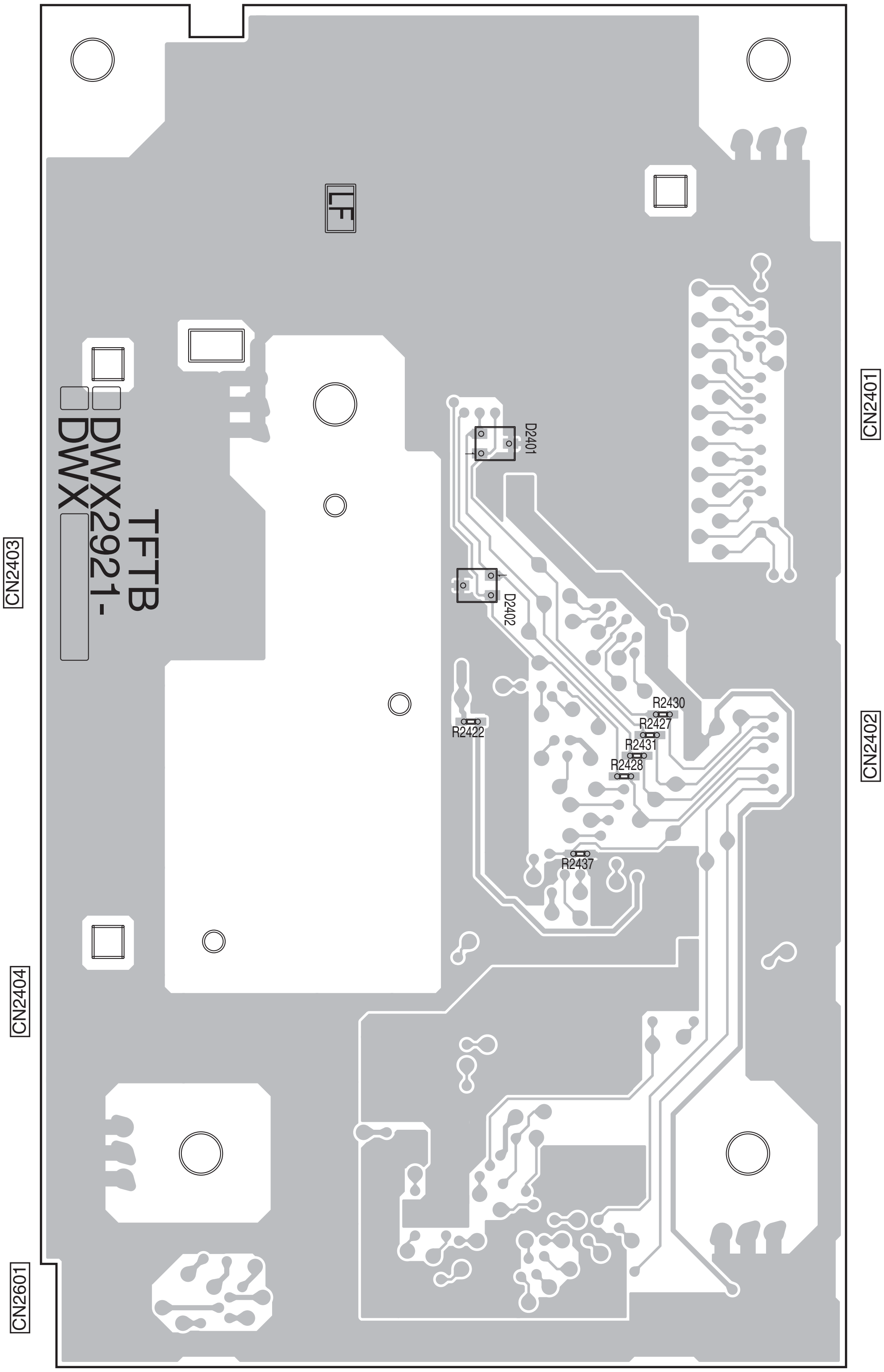

①
②
③
④
⑤
KN2401
KN2402
KN2403
KN2404
LF
[G]
A30C5/C7
A01 ICT FC
CN1602
CN1605
CN2401
CN2402
CN2403
CN2404
CN2601
TOUCH PANEL
LCD
TFTB
DWX2921-
DWX
IC2401
IC2601
Q2601
R2401
R2402
R2403
R2404
R2405
R2406
R2407
R2408
R2409
R2410
R2411
R2412
R2413
R2414
R2415
R2416
R2417
R2418
R2419
R2420
R2421
R2424
R2425
R2438
R2439
R2440
R2441
R2442
R2443
C2401
C2402
C2403
C2404
C2405
C2406
C2410
C2411
C2412
C2415
L2401
R2601
R2602
R2603
R2604
R2605
R2606
R2607
R2608
R2609
R2610
R2611
R2612
R2613
R2614
C2601
C2602
C2603
C2604
C2605
C2606
C2607
C2608
C2609
C2610
C2611
C2612
L2601
L2602
L2603
D2601
HSYNC
VSYNC
DCLK
12V
3.3V
CONTACT BOTTOM SIDE
26.GND
25.DCLK
24.GND
23.B0
22.B1
21.B2
20.B3
19.B4
18.B5
17.GND
16.G0
15.G1
14.G2
13.G3
12.G4
11.G5
10.GND
9.R0
8.R1
7.R2
6.R3
5.R4
4.R5
3.GND
2.HSYNC
1.VSYNC
9.RESET
8.SCL
7.SDA
6.INT
5.VDD
4.GND
3.GND
2.GND
1.GND
16.V+3R3D
15.V+3R3D
14.GNDD
13.GNDD
12.TP_RESET
11.TP_SCL
10.TP_SDA
9.TP_INT
8.GNDD
7.LCD_SHUT
6.BL_EN
5.BL_DIM
4.GND_BL
3.GND_BL
2.V+12D
1.V+12D
20.R3
19.R4
18.R5
17.GND
16.SHUT
15.GND
14.HSYNC
13.VSYNC
12.TEST1
11.TEST2
10.TEST3
9.NC
8.VCC
7.VCC
6.VCC
5.VCC
4.NC
3.GND
2.GND
1.GND
40.GND
39.DCLK
38.GND
37.B0
36.B1
35.B2
34.B3
33.B4
32.B5
31.GND
30.G0
29.G1
28.G2
27.G3
26.G4
25.G5
24.GND
23.R0
22.R1
21.R2
10.THERMISTOR-
9.THERMISTOR+
8.NC
7.ANODE1
6.ANODE2
5.NC
4.CATHODE1
3.CATHODE2
2.CATHODE3
1.NC

(DNP2438-A)

IC2401
Q2601
IC2601

SIDE B **SIDE B**

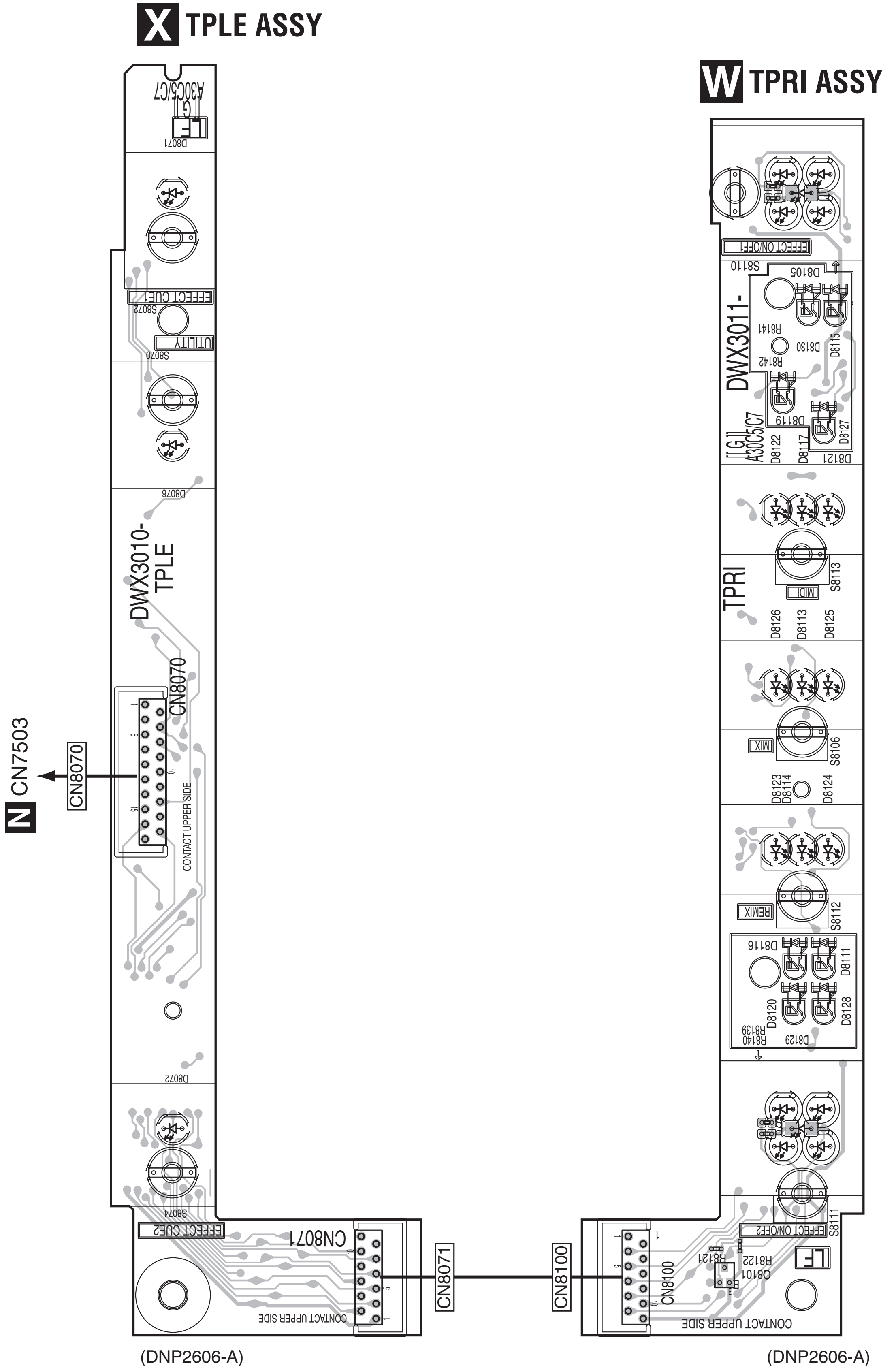
V TFTB ASSY


LF
TFTB
DWX2921-
DWX
CN2403
CN2404
CN2601
CN2401
CN2402
D2401
D2402
R2430
R2427
R2431
R2428
R2422
R2437

(DNP2438-A)

11.12 TPRI and TPLE ASSYS

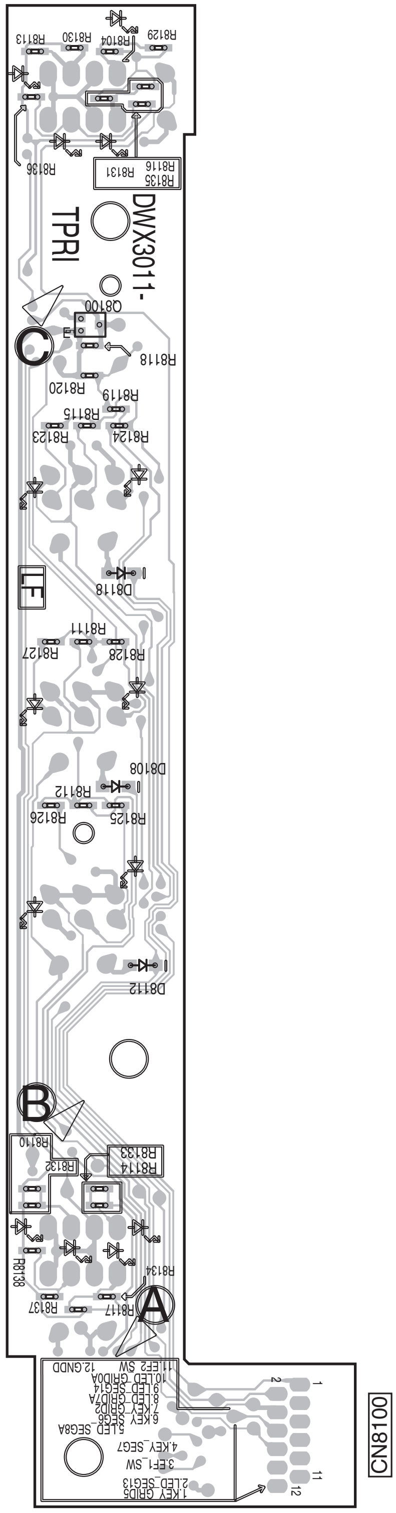
SIDE A **SIDE A**


X TPLE ASSY
W TPRI ASSY
A30C5/C7
[G]
LF
D8071
EFFECT CUE1
S8072
UTILITY
S8070
D8076
DWX3010-
TPLE
CN8070
CONTACT UPPER SIDE
N CN7503
CN8070
D8072
S8074
EFFECT CUE2
CN8071
CONTACT UPPER SIDE
CN8071
CN8100
(DNP2606-A)
EFFECT ON/OFF1
S8110
D8105
DWX3011-
R8141
D8130
D8115
R8142
D8119
[G]
A30C5/C7
D8122
D8117
D8127
D8121
TPRI
MID
S8113
D8126
D8113
D8125
MIX
S8106
D8123
D8114
D8124
REMIX
S8112
D8116
D8111
D8120
R8139
R8140
D8129
D8128
S8111
EFFECT ON/OFF2
R8121
R8122
C8101
LF
CN8100
CONTACT UPPER SIDE
(DNP2606-A)

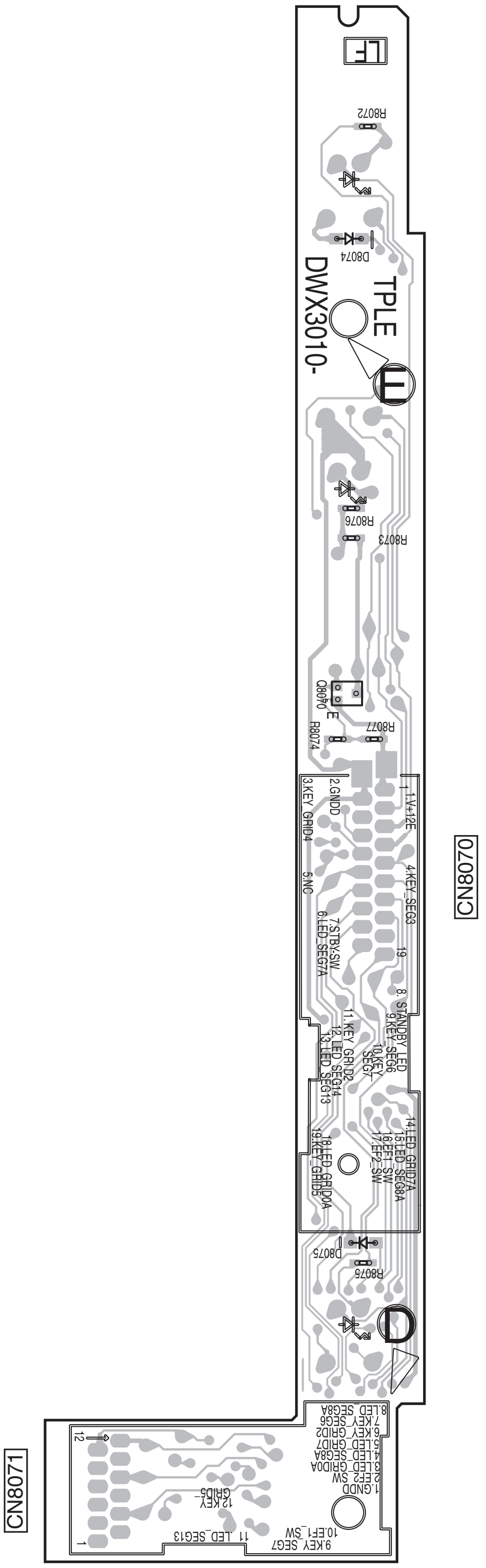
SIDE B **SIDE B**

X TPLE ASSY

W TPRI ASSY


DWX3011-
TPRI
LF
Q8100
R8113
R8130
R8104
R8129
R8136
R8135
R8131
R8116
R8118
R8120
R8119
R8115
R8123
R8124
D8118
R8111
R8127
R8128
D8108
R8112
R8126
R8125
D8112
R8110
R8132
R8133
R8114
R8138
R8134
R8137
R8117
A
B
C
CN8100
1.KEY_GRID5
2.LED_SEG13
3.EF1_SW
4.KEY_SEG7
5.LED_SEG8A
6.KEY_SEG6
7.KEY_GRID2
8.LED_GRID7A
9.LED_SEG14
10.LED_GRID0A
11.EF2_SW
12.GNDD

(DNP2606-A)

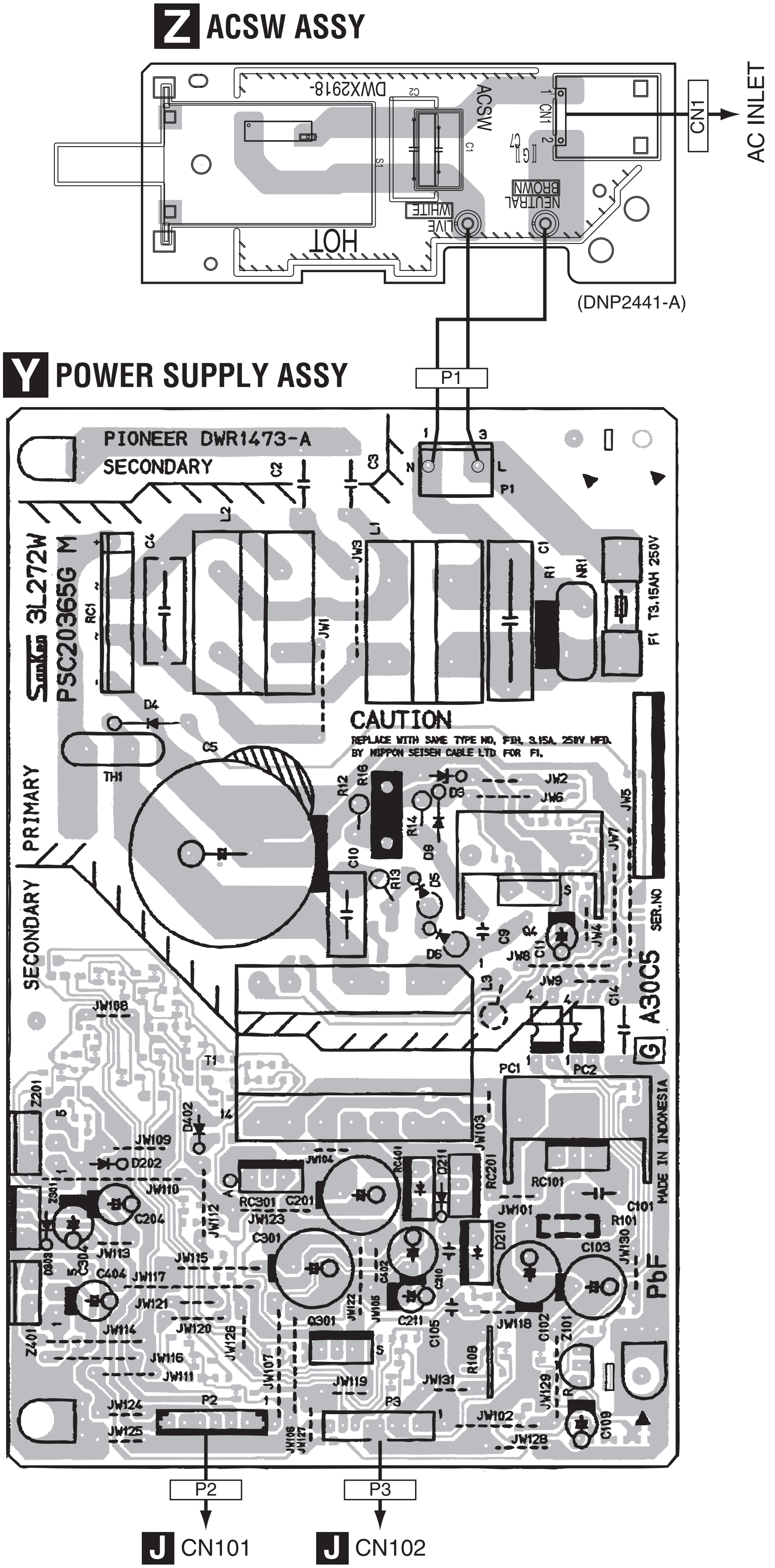

TPLE
DWX3010-
LF
R8072
D8074
E
R8076
R8073
Q8070
R8074
R8077
CN8070
1.V+12E
2.GNDD
3.KEY_GRID4
4.KEY_SEG3
5.NC
6.LED_SEG7A
7.STBY.SW
8.STANDBY_LED
9.KEY_SEG6
10.KEY_SEG7
11.KEY_GRID2
12.LED_SEG14
13.LED_SEG13
14.LED_GRID7A
15.LED_SEG8A
16.EF1_SW
17.EF2_SW
18.LED_GRID0A
19.KEY_GRID5
D8075
R8075
D
CN8071
1.GNDD
2.EF2_SW
3.LED_GRID0A
4.LED_SEG8A
5.LED_GRID7
6.KEY_GRID2
7.KEY_SEG6
8.LED_SEG8A
9.KEY_SEG7
10.EF1_SW
11_LED_SEG13
12.KEY_GRID5

(DNP2606-A)

11.13 POWER SUPPLY and ACSW ASSYS

SIDE A

SIDE A


Z ACSW ASSY
DWX2918-
ACSW
CN1
HOT
LIVE
WHITE
NEUTRAL
BROWN
CN1
AC INLET
(DNP2441-A)
Y POWER SUPPLY ASSY
P1
PIONEER DWR1473-A
SECONDARY
PRIMARY
SECONDARY
3L272W
PSC203365G M
CAUTION
REPLACE WITH SAME TYPE NO. FBH, 3.15A, 250V MFD.
BY NIPPON SEISEN CABLE LTD FOR F1.
F1 T3.15AH 250V
A30C5
MADE IN INDONESIA
PbF
SER.NO
T1
PC1
PC2
P2
P3
J CN101
J CN102

Y **Z**

12. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω → 56×10^1 → 561 .... RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
47 kΩ → 47×10^3 → 473 .... RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
0.5 Ω → R50 .... RN2H$\boxed{R}\boxed{5}\boxed{0}$K
1 Ω → 1R0 .... RS1P$\boxed{1}\boxed{R}\boxed{0}$K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ → 562×10^1 → 5621 .... RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F

- *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.
IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	No. Description	Part No.
NSP	1..AITF ASSY	DWM2334
	2..TFTB ASSY	DWX2921
	2..AIN1 ASSY	DWX2922
	2..TRIM1 ASSY	DWX2935
	2..TRIM2 ASSY	DWX2936
NSP	1..AIPC ASSY	DWM2335
	2..AIN2 ASSY	DWX2923
	2..PCIF ASSY	DWX2925
	2..TRIM3 ASSY	DWX2937
	2..TRIM4 ASSY	DWX2938
	2..TPLE ASSY	DWX3010
	2..TPRI ASSY	DWX3011
NSP	1..OUHP ASSY	DWM2336
	2..HAMP ASSY	DWX2919
	2..AOUT ASSY	DWX2924
	2..HPJK ASSY	DWX2939
	2..HREG ASSY	DWX2940
NSP	1..PNLA ASSY	DWM2337
	2..ACSW ASSY	DWX2918
	2..PNCE ASSY	DWX2926
	2..MCJK ASSY	DWX2934
NSP	1..PNLB ASSY	DWM2338
	2..PNLE ASSY	DWX2927
	2..PNRI ASSY	DWX2928
	2..CRFD ASSY	DWX2929
	2..CFD1 ASSY	DWX2930
	2..CFD2 ASSY	DWX2931
	2..CFD3 ASSY	DWX2932
	2..CFD4 ASSY	DWX2933
	1..MAIN ASSY	DWX2920
⚠	1..POWER SUPPLY ASSY	DWR1473 or DWR1492

A AIN1 ASSY

SEMICONDUCTORS

Mark	No. Description	Part No.
	IC 3000,3001,3004-3006	NJM4580MD
	IC 3002	TC74VHC74FTS1
	IC 3003,3302	CS5381-KZ
	IC 3007,3306	RNB4580F
	IC 3300,3301,3303-3305	NJM4580MD
	IC 4300-4303	TC7WU04FU
	IC 4314-4319	TC7SH08FUS1
	IC 4900	NJM4580MD
	IC 4901	AK5358AET
	Q 3000,3001,3003,3004	2SK3320
	Q 3002,3005-3009,3011	HN1C01FU
	Q 3010,3308,3309,3314	RT1N241M
	Q 3012,3013,3301,3302	2SK3320
	Q 3014-3016,3300,3303	HN1C01FU
	Q 3304,3307,3310-3313	HN1C01FU
	Q 3305,3306,3316,3317	2SK3320
	Q 3315,3318-3320	HN1C01FU
	Q 4501	2SC2412K
	Q 4900,4901	2SK209
	D 3000,3001,3301,3302	1SS355
	D 3002-3005,3303-3306	RB706D-40
	D 3300	UDZS5R6(B)
	D 4904	UDZS3R3(B)
	D 4905	RB706D-40
	D 4906-4915	HZU3R0(B1)

MISCELLANEOUS

Mark	No. Description	Part No.
	L 3300,3301 FERRITE CORE	VTF1093
	L 4500 FERRITE CORE	VTF1091
	JA 3000,3300 JACK	DKB1083
	JA 3301 JACK	RKN1004
	JA 4300,4301 2P JACK	DKB1098
	JA 4500 JACK BOARD	PKB1033
	KN 4300,4301 WRAPPING TERMINAL	VNF1084
	VR 4900 ROTARY VR	DCS1072
	RY 3000,3300 RELAY	VSR1008
	S 3000,3300 SLIDE SWITCH	DSH1025
	CN 3000,3300 11P PLUG	XKP3065
	CN 4300 21P CONNECTOR	21R-1.25FJ
	CN 4302,4303 20P CONNECTOR	VKN1312

Mark	No. Description	Part No.
	CN 4900 CONNECTOR	CKS2643

RESISTORS

Mark	No. Description	Part No.
	R 3000-3003,3300-3303	RN1/16SE1000D
	R 3004-3007,3304-3307	RN1/16SE4702D
	R 3008,3009,4928-4931	RS1/10SR75R0D
	R 3010,3011,3312,3313	RS1/10SR1803D
	R 3014,3015	RS1/10SR7501D
	R 3016,3017,3032-3035	RN1/16SE4700D
	R 3018,3021,3028,3029	RN1/16SE2001D
	R 3022,3026,3030,3031	RN1/16SE1001D
	R 3024,3068,3324,3329	RN1/16SE4701D
	R 3037,3038,3343,3344	RN1/16SE3002D
	R 3040,3041,3351,3352	RN1/16SE2002D
	R 3045,3046,3356,3357	RN1/16SE1303D
	R 3052,3053,3358,3359	RS1/10SR3303D
	R 3060,3073,3074,3320	RN1/16SE4700D
	R 3066,3070-3072,3370	RN1/16SE2001D
	R 3076-3083,3380-3387	RN1/16SE1201D
	R 3084,3086,3088,3090	RN1/16SE2200D
	R 3085,3087,3089,3091	RN1/16SE4300D
	R 3092-3095,3396-3399	RN1/16SE6800D
	R 3096,3099,3100,3103	RN1/16SE3300D
	R 3097,3098,3101,3102	RN1/16SE1001D
	R 3108-3112	RN1/16SE4301D
	R 3321,3336-3339,3366	RN1/16SE4700D
	R 3322,3326,3327	RN1/16SE1001D
	R 3331-3335,3401,3402	RN1/16SE1001D
	R 3372,4904,4905,4909	RN1/16SE4701D
	R 3374-3376	RN1/16SE2001D
	R 3378,3379	RN1/16SE4700D
	R 3388,3390,3392,3394	RN1/16SE2200D
	R 3389,3391,3393,3395	RN1/16SE4300D
	R 3400,3403,3404,3407	RN1/16SE3300D
	R 3405,3406	RN1/16SE1001D
	R 4527	RS1/10SR1801F
	R 4528	RS1/10SR3901F
	R 4902,4903	RN1/16SE1002D
	R 4906,4908	RN1/16SE1501D
	R 4907	RN1/16SE3300D
	R 4910	RN1/16SE4701D
	R 4911,4913	RN1/16SE3900D
	R 4914	RN1/16SE2200D
	R 4924,4925	RN1/16SE2201D
	R 4926,4932	RN1/16SE1201D
	R 4927	RN1/16SE1500D
	R 4933,4934	RS1/10SR1803D
	Other Resistors	RS1/10SR###J

CAPACITORS

Mark	No. Description	Part No.
	C 3000,3021,3023-3025	CKSRYB104K25
	C 3001,3002,4304-4307	CCSRCH221J50
	C 3003,3004,3007,3008	CCSRCH101J50
	C 3005,3006,4932,4933	CCSRCH331J50
	C 3009,3010	CEHAT471M6R3
	C 3011,3012,4921	CKSRYB471K50
	C 3013,3014	DCE1020
	C 3015,3016,4922,4923	CKSRYB474K10
	C 3017,3018	CKSRYB223K50
	C 3019,3020,3046,3047	CKSRYB472K50
	C 3022,3026,3056,3057	CEHAZL101M25
	C 3028,3037-3039,3050	CKSRYB104K25
	C 3029-3032,3034,3035	CFTLA334J50
	C 3036,3333	CEHAZL100M50
	C 3042,3043,3343,3344	CKSRYB103K50
	C 3044,3045,3341,3342	CCSRCH222J50
	C 3048,3345	CEHAZL331M6R3
	C 3049,3055,3346,3350	CEHAZL101M10
	C 3051,3054,3352,3354	CEHAZL220M50
	C 3052,3053,3058-3061	CKSRYB104K25
	C 3062-3065,3361-3364	CCSRCH102J50
	C 3070,3071,3300,3321	CKSRYB104K25
	C 3301-3304,3306-3309	CCSRCH101J50
	C 3305,3310	CFTLA103J50
	C 3317-3320,3347,3348	CKSRYB472K50
	C 3322,3326,3355,3356	CEHAZL101M25
	C 3323-3325,3336-3338	CKSRYB104K25
	C 3328,3329,3331,3332	CFTLA334J50
	C 3334,3335	CFTLA334J50
	C 3349,3351,3353	CKSRYB104K25
	C 3357-3360,3365,3366	CKSRYB104K25
	C 4308-4311,4514,4919	CKSRYB103K50
	C 4312-4315	CCSRCH220J50
	C 4316,4318,4320,4322	CKSRYB104K25
	C 4317,4319,4321,4323	CCSRCH470J50
	C 4362-4368,4370,4371	CKSRYB104K25
	C 4369,4372	CEHAT101M25
	C 4373,4377,4378,4380	CKSRYB104K25
	C 4374-4376,4379,4381	CEAT470M25
	C 4512,4909,4910,4913	CKSRYB104K25
	C 4513	CEAT101M10
	C 4906,4908	CCSRCH471J50
	C 4907	CKSRYB331K50
	C 4911	CEJQNP100M35
	C 4912,4914,4916	CEAT100M50
	C 4915,4918,4924,4925	CKSRYB104K25
	C 4917	CEJQ100M35
	C 4920	CKSRYB103K50
	C 4926-4931	CKSRYB474K10
	C 4934	CKSRYB104K25
	C 4935-4938,4943-4946	CEANP330M16
	C 4947	CKSRYB105K16
	C 4950-4953	CCSRCH101J50

B MCJK ASSY

SEMICONDUCTORS

Mark	No. Description	Part No.
	D 2201-2204	UDZS15(B)

MISCELLANEOUS

Mark	No. Description	Part No.
	JA 2200 CANON CONNECTOR	DKB1108
	CN 2200 PLUG	CKS3153
	0 MIC SHIELD	DNF1849

RESISTORS

Mark	No. Description	Part No.
	R 2201-2204	RN1/16SE1000D

CAPACITORS

Mark	No. Description	Part No.
	C 2201-2206	CCSRCH102J50
	C 2207,2208	CFTLA103J50

C TRIM1 ASSY

MISCELLANEOUS

Mark	No. Description	Part No.
	VR 2221 POTENTIOMETER	DCS1103
	CN 2221 11P SOCKET	XKP3076

CAPACITORS

Mark	No. Description	Part No.
	C 2221	CKSRYB104K25

D TRIM2 ASSY

MISCELLANEOUS

Mark	No. Description	Part No.
	VR 2241 POTENTIOMETER	DCS1103
	CN 2241 11P SOCKET	XKP3076

CAPACITORS

Mark	No. Description	Part No.
	C 2241	CKSRYB104K25

E TRIM3 ASSY

MISCELLANEOUS

Mark	No. Description	Part No.
	VR 2261 POTENTIOMETER	DCS1103
	CN 2261 11P SOCKET	XKP3076

CAPACITORS

Mark	No. Description	Part No.
	C 2261	CKSRYB104K25

F TRIM4 ASSY

MISCELLANEOUS

Mark	No. Description	Part No.
	VR 2281 POTENTIOMETER	DCS1103
	CN 2281 11P SOCKET	XKP3076

CAPACITORS

Mark	No. Description	Part No.
	C 2281	CKSRYB104K25

G AIN2 ASSY

SEMICONDUCTORS

Mark	No. Description	Part No.
	IC 3600,3601,3603-3605	NJM4580MD
	IC 3602,3903	CS5381-KZ
	IC 3606,3907	RNB4580F
	IC 3900,3901,3904-3906	NJM4580MD
	IC 3902	TC74VHC74FTS1
	Q 3600,3603,3604,3607	HN1C01FU
	Q 3601,3602,3605,3606	2SK3320
	Q 3608,3609,3614,3910	RT1N241M
	Q 3610-3613,3615	HN1C01FU
	Q 3616,3617,3900,3901	2SK3320
	Q 3618-3620,3902	HN1C01FU
	Q 3903,3904,3912,3913	2SK3320
	Q 3905-3909,3911	HN1C01FU
	Q 3914-3916	HN1C01FU
	D 3600	UDZS5R6(B)
	D 3601,3602,3900,3901	1SS355
	D 3603-3606,3902-3905	RB706D-40
	D 3607-3612,3906-3909	HZU3R0(B1)

MISCELLANEOUS

Mark	No. Description	Part No.
	L 3600,3601 FERRITE CORE	VTF1093
	JA 3600,3900 JACK	DKB1083
	JA 3601 JACK	RKN1004
	KN 4200,4201 WRAPPING TERMINAL	VNF1084
	RY 3600,3900 RELAY	VSR1008
	S 3600,3900 SLIDE SWITCH	DSH1025
	CN 3600,3900 11P PLUG	XKP3065
	CN 4200 21P CONNECTOR	21P-1.25FJ
	CN 4201 CONNECTOR POST	S7B-EH

RESISTORS

Mark	No. Description	Part No.
	R 3600-3603,3900-3903	RN1/16SE1000D
	R 3604-3607,3904-3907	RN1/16SE4702D
	R 3610-3613,3910,3911	RS1/10SR1803D
	R 3614-3617,3661	RN1/16SE4301D
	R 3620,3621,3636-3639	RN1/16SE4700D
	R 3622,3626,3627	RN1/16SE1001D
	R 3624,3629,3672,3924	RN1/16SE4701D
	R 3631-3635,3701,3702	RN1/16SE1001D
	R 3643,3644,3937,3938	RN1/16SE3002D
	R 3651,3652,3940,3941	RN1/16SE2002D
	R 3656,3657,3945,3946	RN1/16SE1303D
	R 3658,3659,3952,3953	RS1/10SR3303D
	R 3666,3678,3679,3916	RN1/16SE4700D
	R 3670,3674-3676,3918	RN1/16SE2001D
	R 3680-3687,3976-3983	RN1/16SE1201D
	R 3688,3690,3692,3694	RN1/16SE2200D
	R 3689,3691,3693,3695	RN1/16SE4300D
	R 3696-3699,3992-3995	RN1/16SE6800D
	R 3700,3703,3704,3707	RN1/16SE3300D
	R 3705,3706,3922,3926	RN1/16SE1001D
	R 3908,3909	RS1/10SR75R0D
	R 3914,3915	RS1/10SR7501D
	R 3917,3932-3935,3960	RN1/16SE4700D
	R 3921,3928,3929,3966	RN1/16SE2001D
	R 3927,4010	RN1/16SE2201D
	R 3930,3931,3997,3998	RN1/16SE1001D
	R 3968	RN1/16SE4701D
	R 3970-3972	RN1/16SE2001D
	R 3973,3974	RN1/16SE4700D
	R 3984,3986,3988,3990	RN1/16SE2200D
	R 3985,3987,3989,3991	RN1/16SE4300D
	R 3996,3999,4000,4003	RN1/16SE3300D
	R 4001,4002	RN1/16SE1001D
	R 4008,4009	RN1/16SE1201D
	Other Resistors	RS1/10SR###J

CAPACITORS

Mark	No. Description	Part No.
	C 3600,3900	CKSRYB104K50
	C 3601-3604,3606-3609	CCSRCH101J50
	C 3605,3610	CFTLA103J50
	C 3617-3620,3647,3648	CKSRYB472K50
	C 3621,3623-3625	CKSRYB104K25
	C 3622,3626,3655,3656	CEHAZL101M25
	C 3628,3629,3631,3632	CFTLA334J50
	C 3633,3936	CEHAZL100M50
	C 3634,3635,3929-3932	CFTLA334J50
	C 3636-3638,3649,3651	CKSRYB104K25
	C 3641,3642,3944,3945	CCSRCH222J50
	C 3643,3644,3942,3943	CKSRYB103K25
	C 3645,3948	CEHAZL331M6R3
	C 3646,3650,3949,3955	CEHAZL101M10
	C 3652,3654,3951,3954	CEHAZL220M50
	C 3653,3657-3660,3665	CKSRYB104K25
	C 3661-3664,3962-3965	CCSRCH102J50

Mark	No. Description	Part No.
	C 3666,3671,3921	CKSRYB104K25
	C 3672-3677,3973-3976	CKSRYB474K10
	C 3901,3902	CCSRCH221J50
	C 3903,3904,3907,3908	CCSRCH101J50
	C 3905,3906,4219,4220	CCSRCH331J50
	C 3909,3910	CEHAT471M6R3
	C 3911,3912	CKSRYB471K50
	C 3917,3918	CKSRYB223K50
	C 3919,3920,3946,3947	CKSRYB472K50
	C 3922,3926,3956,3957	CEHAZL101M25
	C 3923-3925,3928	CKSRYB104K25
	C 3934,3935	CFTLA334J50
	C 3937-3939,3950,3952	CKSRYB104K25
	C 3953,3958-3961	CKSRYB104K25
	C 3970-3972,4202-4204	CKSRYB104K25
	C 4200,4201,4205,4211	CEAT470M25
	C 4206,4210	CEHAT101M25
	C 4207-4209,4215,4221	CKSRYB104K25
	C 4216	CEAT470M25
	C 4217,4218 (0.01 u)	DCE1020
	C 4222-4229	CEANP330M16
	C 4230-4233	CCSRCH101J50

H PCIF ASSY

SEMICONDUCTORS

Mark	No. Description	Part No.
	IC 2001	TC7S04FU
	IC 2002	TUSB3200ACPAH
	IC 2003	S-24CS64A0I
	IC 2005	TC7SHU04FUS1
	IC 2006	TC74LCX32FTS1
	IC 2007,2018	TC7SH04FUS1
	IC 2008	TC74VHC08FTS1
	IC 2009	RTL8201CP-LF
	IC 2010	PSB6970HL
	IC 2011	TC7SH32FUS1
	IC 2012,2013	TC74LCX541FTS1
	IC 2014,2015	TC7SH08FUS1
	IC 2016,2017	TC7W53FU
⚠	IC 2019	PQ200WNA1ZPH
	Q 2001	RT1N241M
	Q 2002	UM6K1N
	Q 2003,2004	2SB1386
	D 2001	NNCD6.2MF
	D 2003	UDZS5R6(B)
	D 2004,2005	1SS355

MISCELLANEOUS

Mark	No. Description	Part No.
	L 2001,2002 CHIP SOLID INDUCTOR	QTL1013
	L 2003 COIL	ATH7015
	L 2004 CHIP SOLID INDUCTOR	QTL1013
	L 2011-2013 INDUCTOR	CTF1394
	F 2001 EMI FILTER	DTL1106
	F 2003 EMI FILTER	CCG1160
	JA 2001 USB CONNECTOR	DKN1237
	JA 2002 CONNECTOR	DKN1188
	JA 2009-2011 RJ45 CONNECTOR 2*1	DKN1572
	KN 2001-2003 WRAPPING TERMINAL	VNF1084
	X 2001 CRYSTAL RESONATOR	DSS1136
	X 2002 CRYSTAL (25 MHz)	VSS1215
	CN 2001,2002 26P CONNECTOR	VKN1430

Mark	No. Description	Part No.
	0 SHIELD CASE(MIDI)	DNH2736

RESISTORS

Mark	No. Description	Part No.
	R 2006,2007	RD1/2VM221J
	R 2016-2019,2030-2033	RS1/16SS0R0J
	R 2020-2029,2148,2223	RS1/8SQ0R0J
	R 2056	RS1/10SR3301D
	R 2062-2085	RS1/10SR49R9F
	R 2096-2111	RS1/16SS0R0J
	R 2136	RAB4CQ330J
	R 2139,2208,2209	RAB4CQ121J
	R 2187	RS1/10SR1200D
	R 2189	RN1/16SC10R0D
	R 2217-2219	RS1/4SA0R0J
	R 2221	RS1/10SR3900D
	R 2222	RS1/10SR1801D
	Other Resistors	RS1/10SR###J

CAPACITORS

Mark	No. Description	Part No.
	C 2001,2003,2007,2010	CKSRYB104K25
	C 2002,2009,2021,2065	CEAT101M10
	C 2004,2011,2025,2057	CKSRYB471K50
	C 2005	CFTLA103J50
	C 2013,2020,2044-2053	CKSRYB103K50
	C 2017,2022,2023,2027	CKSRYB104K25
	C 2018,2019	CCSRCH470J50
	C 2024	CCSRCH101J50
	C 2026,2056	CKSRYB102K16
	C 2028,2031,2034,2042	CKSRYB104K25
	C 2029,2036	CCSRCH270J50
	C 2032,2093	CKSRYB105K16
	C 2033	DCH1201
	C 2037,2073,2103,2105	CEAT470M25
	C 2043,2054,2055	CKSRYB104K25
	C 2058,2062	CKSRYB471K50
	C 2059-2061,2063,2068	CKSRYB104K25
	C 2067	CEAT101M10
	C 2072	CCSRCH180J50
	C 2074,2077,2079-2090	CKSRYB104K25
	C 2075,2129	CEAT221M10
	C 2076,2091,2094	CCSRCH102J50
	C 2078	CCSRCH200J50
	C 2092,2095,2098-2102	CKSRYB104K25
	C 2096,2126,2127	CEHAT101M10
	C 2104	CKSRYB103K50
	C 2108,2109,2115	CEAT470M25
	C 2111-2114,2116-2119	CKSRYB104K25
	C 2120,2121	CEHAT221M10
	C 2124,2125,2132-2139	CKSRYB104K25
	C 2142-2147	CKSRYB104K25

I MAIN ASSY

SEMICONDUCTORS

Mark	No. Description	Part No.
⚠	IC 1001	BA33BC0WFP
⚠	IC 1002	S-1170B25UC-OTK
⚠	IC 1003-1005	BD9326EFJ
	IC 1007-1010,1103	TC7SH08FUS1
	IC 1101,1104	TC7SHU04FUS1
	IC 1102	BU4230G
	IC 1105	DYW1787

Mark	No. Description	Part No.
	IC 1106-1114,1602,1805	TC7SH08FUS1
	IC 1115	TC74HC4052AFT
	IC 1201	XC3S50A-4FTG256C
	IC 1302,1451	D610A003BPYPA225
	IC 1303,1452,1701,1702	K4S281632K-UC75
	IC 1304	DYW1789
	IC 1601	R5S77641N300BG
	IC 1703	DYW1790
	IC 1801-1804	DIR9001PW
	IC 1806,1819-1821	TC7SH08FUS1
	IC 1807-1810	TC74LCX157FTS1
	IC 1811,1813,1815,1817	CS8421-CZ
	IC 1812,1814,1816,1818	TC7WH157FU
	IC 1901-1904,1914-1919	TC7SH08FUS1
	IC 1907,1908,1910,1911	CS8421-CZ
	IC 1909	TC7W53FU
	IC 1912	AK4114VQ
	Q 1001,1006,1301,1451	RT1N241M
	Q 1002-1004	2SA1576A
	Q 1005,1101	RT1P241M-11
	Q 1901-1903,1905	RT1N241M
	Q 1904,1906	2SC4154
	D 1004-1006	RSX201L-30
	D 1009,1010,1101-1106	1SS355
	D 1011	UDZS3R3(B)
	D 1301,1451	SML-310DT
	D 1454-1461	1SS355

MISCELLANEOUS

Mark	No. Description	Part No.
	L 1001 INDUCTOR	CTH1253
	L 1101 CHIP COIL	LCTAW330J2520
	L 1607,1608 INDUCTOR	CTF1394
	L 1610 INDUCTOR	CTH1255
	L 1611 POWER INDUCTOR	DTH1205
	F 1301,1451 COIL	RTF1189
	F 1601,1602 EMI FILTER	CCG1160
	KN 1001-1006 EARTH METAL FITTING	VNF1109
	X 1101 CRYSTAL RESONATOR (20 MHz)	ASS7023
	X 1102 CRYSTAL RESONATOR (24 MHz)	ASS7025
	CN 1002 12P CONNECTOR	VKN1416
	CN 1101 32P CONNECTOR	VKN1436
	CN 1102 CONNECTOR	VKN1933
	CN 1103,1601,1602 26P CONNECTOR	VKN1430
	CN 1104-1106 20P CONNECTOR	VKN1424
	CN 1605 16P CONNECTOR	VKN1420
NSP	0 ID LABEL ASSY	AXW7015

RESISTORS

Mark	No. Description	Part No.
	R 1001,1023,1057,1101	RS1/8SQ0R0J
	R 1005	RS1/10SR9102D
	R 1006	RS1/10SR2202D
	R 1007	RS1/10SR2702D
	R 1008	RS1/10SR3901F
	R 1009	RS1/10SR2402F
	R 1010,1016	RS1/10SR1002F
	R 1011	RS1/10SR4701F
	R 1012	RS1/10SR3302F
	R 1013	RS1/10SR8201F
	R 1014	RS1/10SR1501F
	R 1015	RS1/10SR2201F
	R 1029-1033	RS1/4SA0R0J
	R 1081-1084	RAB4CQ470J
	R 1115,1118,1148,1159	RS1/8SQ0R0J
	R 1136,1141,1158	RAB4CQ220J
	R 1157,2157-2159	RAB4CQ151J
	R 1212,1310,1318,1341	RS1/8SQ0R0J
	R 1233,1238-1240	RAB4CQ121J
	R 1234-1237,1500,1504	RAB4CQ330J
	R 1249,1250	RAB4CQ101J
	R 1259-1262	RAB4CQ0R0J
	R 1327,1329,1333,1336	RAB4CQ100J
	R 1469,1474,1516,1734	RS1/8SQ0R0J
	R 1508,1511	RAB4CQ330J
	R 1630	RS1/10SR5601F
	R 1760,2149-2156,2165	RS1/16SS0R0J
	R 1762-1768,2166-2169	RS1/16SS151J
	R 1790,1816-1819	RS1/10SR6800D
	R 1808-1815,1924	RS1/10SR1002D
	R 1857,1863,1869,1875	RN1/16SE2001D
	R 1858,1864,1870,1876	RN1/16SE6202D
	R 1925	RN1/16SE3901D
	R 1928,1931,1937,1962	RN1/16SE2001D
	R 1929,1963	RN1/16SE6202D
	R 1932,1934,1938	RN1/16SE1602D
	R 1958	RN1/16SE1802D
	R 1976	RS1/8SQ0R0J
	R 2082-2096,2098	RS1/16SS330J
	R 2161-2163	RS1/16SS472J
	Other Resistors	RS1/10SR###J

CAPACITORS

Mark	No. Description	Part No.
	C 1001,1021-1023	CKSYB106K16
	C 1002,1003,1011,1012	CKSSYB104K16
	C 1004,1043-1045,1072	CKSYB106K10
	C 1010,1013,1052,1054	CEVW101M16
	C 1014,1018-1020,1031	CKSSYB104K16
	C 1028-1030,1040-1042	CKSRYB104K25
	C 1032,1034	CCSRCH222J50
	C 1033,1035,1046-1048	CKSSYB104K16
	C 1036	CCSRCH102J50
	C 1053,1055,1068-1070	CKSSYB104K16
	C 1073,1075	CKSYB106K10
	C 1076-1079,1103,1107	CKSSYB104K16
	C 1101,1111,1113,1129	CEVW101M16
	C 1102,1109	CKSSYB105K6R3
	C 1104,1114	CCSSCH220J50
	C 1105,1116	CCSSCH180J50
	C 1106	CKSSYB152K50
	C 1108,1223,1358,1647	CKSSYB103K25
	C 1110,1112,1115	CKSSYB104K16
	C 1117-1120,1130,1131	CKSSYB104K16
	C 1121-1127,1943	CKSSYB471K50
	C 1132,1202,1305,1321	CEVW101M16
	C 1135-1142,1201	CKSSYB104K16
	C 1203-1222,1301,1303	CKSSYB104K16
	C 1302,1360,1368,1452	DCH1201
	C 1304,1306-1317,1319	CKSSYB104K16
	C 1320,1322-1357	CKSSYB104K16
	C 1361-1367,1451,1453	CKSSYB104K16
	C 1454,1456-1469	CKSSYB104K16
	C 1455,1470,1711-1713	CEVW101M16

Mark	No. Description	Part No.
	C 1471-1506,1510-1515	CKSSYB104K16
	C 1509,1702,1707 (10 u)	DCH1201
	C 1614-1646,1648-1653	CKSSYB104K16
	C 1655,1657,1659-1683	CKSSYB104K16
	C 1685-1687,1703-1706	CKSSYB104K16
	C 1710,1811-1814	CKSSYB103K25
	C 1714,1716,1805-1810	CKSSYB104K16
	C 1715,1936	CEVW101M16
	C 1801-1804,1823,1825 (10 u)	DCH1201
	C 1815,1817,1819,1821	CKSSYB104K16
	C 1816,1818,1820,1822	CKSSYB472K50
	C 1824,1826,1828,1830	CKSSYB683K10
	C 1827,1829,1839-1842(10 u)	DCH1201
	C 1831-1834,1847-1861	CKSSYB104K16
	C 1843-1846,1909,1910	CKSSYB103K25
	C 1862-1865,1907,1908 (10 u)	DCH1201
	C 1901-1904,1911,1912	CKSSYB104K16
	C 1913,1920,1921,1923 (10 u)	DCH1201
	C 1914,1925,1927,1931	CKSSYB103K25
	C 1915,1916,1918,1919	CKSSYB104K16
	C 1922,1926,1928,1932	CKSSYB104K16
	C 1924,1933 (10 u)	DCH1201
	C 1934,1939-1942,1944	CKSSYB104K16
	C 1945	CKSSYB104K16
	C 1946	CCSSCH102J50
	C 1947	CKSSYB473K10

J HAMP ASSY

SEMICONDUCTORS

⚠	IC 103	NJM78M12FA
	IC 5604	AK4382AVT
	IC 5605,5606	NJM4580MD
	Q 5605,5607	2SC4081
	Q 5606,5608,5614,5615	2SA1576A
	Q 5609,5611	2SC3076
	Q 5610,5612	2SA1241
	Q 5613	2SC3326
	Q 5616,5620	RT1N241M
	Q 5617	RT1P241M-11
	Q 5618,5619	2SA1576A
	D 5602-5607,5609	1SS355

MISCELLANEOUS

	J 101 6P JUMPER WIRE	D20PYY0605E
	KN 101-104 WRAPPING TERMINAL	VNF1084
	RY 5601 RELAY	VSR1008
	CN 101 CONNECTOR	B6B-EH
	CN 102,103 PLUG(8P)	KM200NA8
	CN 104 CONNECTOR	B7B-EH
	CN 105 CONNECTOR	B7B-EH-K
	CN 106 CONNECTOR	B12B-EH
	CN 5601 12P CONNECTOR	VKN1416
	CN 5602 PLUG(4P)	KM200NA4
	JH 101 6P CABLE HOLDER	51048-0600
⚠	P 104 PROTECTOR(315 MA)	AEK7003
⚠	P 107,109,114 PROTECTOR(400 MA)	AEK7004
⚠	P 108,110,112 PROTECTOR(630 MA)	AEK7006
⚠	P 111 PROTECTOR(500 MA)	AEK7005

Mark	No. Description	Part No.

RESISTORS

	R 5706-5709	RN1/16SE3901D
	R 5710-5713	RN1/16SE1502D
	R 5714-5717	RN1/16SE3301D
	R 5736,5737	RN1/16SE2201D
	R 5738,5740	RN1/16SE1201D
	R 5742,5744,5745,5747	RN1/16SE4701D
	R 5748-5751	RS1/10SR1001D
	R 5752-5755	RS1/10SR1801D
	R 5756-5759	RD1/2VM6R8J
	Other Resistors	RS1/10SR###J

CAPACITORS

	C 101	CEAT471M16
	C 102,103,107,108	CEHAT101M25
	C 104-106,114,118	CKSRYB104K50
	C 111	CEAT470M25
	C 115,116,5622,5625	CEHAZL101M25
	C 117	CEAT221M10
	C 119,122	CEHAT101M25
	C 120,121,5605,5606	CKSRYB104K25
	C 5604	CKSRYB103K50
	C 5607	CEAT100M50
	C 5608,5609	CCSRCH681J50
	C 5610-5613	CCSRCH101J50
	C 5616,5617,5623,5624	CKSRYB104K25
	C 5618,5619	CEHAZL101M10
	C 5620,5621	CCSRCH222J50
	C 5632,5633	CKSYB106K16

K HREG ASSY

SEMICONDUCTORS

⚠	IC 104	NJM79M09FA
⚠	IC 105	NJM78M09FA
	D 5801,5802	RB501V-40

MISCELLANEOUS

	CN 110 6P JUMPER CONNECTOR	52151-0610

CAPACITORS

	C 5801-5804	CKSRYB104K50

L HPJK ASSY

MISCELLANEOUS

	JA 6001 HEADPHONE JACK	DKN1281
	CN 6001 L-PLUG(4P)	KM200NA4L

RESISTORS

	All Resistors	RS1/10SR###J

CAPACITORS

	C 6001,6002	CKSRYB104K25

M AOUT ASSY

SEMICONDUCTORS

	IC 5001,5002,5004,5005	TC7SH08FUS1
	IC 5007,5008	TC7SH08FUS1
	IC 5010	AK4390EF
	IC 5011,5012,5203,5204	NJM4580MD
	IC 5201,5401,5501	AK4387ET

Mark	No. Description	Part No.
	IC 5202,5402,5403,5505	RNB4580F
	IC 5404	AK5358AET
	IC 5502	NJM4565MD
	IC 5503,5504	NJM4580MD
	Q 5003-5005,5010,5011	HN1C01FU
	Q 5006-5009	2SK3320
	Q 5012-5015	2SK3320D1
	Q 5016,5017,5026-5029	HN1C01FU
	Q 5018,5020,5022,5024	2SA1312
	Q 5019,5021,5023,5025	2SA1162
	Q 5030,5032,5034,5036	2SA1312
	Q 5031,5033,5035,5037	2SA1162
	Q 5038,5041,5044,5047	2SC2712
	Q 5039,5042,5045,5048	2SC5868
	Q 5040,5043,5046,5049	2SA2090
	Q 5050,5509	RT1N241M
	Q 5051	2SC3326
	Q 5052-5054,5056,5058	2SA1576A
	Q 5055,5057,5059,5061	2SC4154
	Q 5060,5511	2SA1576A
	Q 5201,5203,5204,5207	2SK209
	Q 5202,5205,5206,5208	INC2002AC1
	Q 5401,5402	2SK209
	Q 5403,5404,5501-5508	INC2002AC1
	Q 5510	2SC4154
	Q 5512-5515	HN1C01FU
	Q 5516,5517	2SC5868
	D 5002-5021	1SS355
	D 5100	HZU5R1(B1)
	D 5401	UDZS3R3(B)
	D 5402,5403	RB706D-40
	D 5405-5408	HZU3R0(B1)

MISCELLANEOUS

Mark	No. Description	Part No.
	JA 5001,5002 CANON CONNECTOR	DKB1093
	JA 5201 JACK	DKB1083
	JA 5401 HEADPHONE JACK	DKB1078
	JA 5402-5404 HP JACK	DKN1452
	JA 5501,5502 JACK	DKN1249
	KN 5001-5003 WRAPPING TERMINAL	VNF1084
	RY 5001,5002 RELAY	VSR1008
	S 5001 SLIDE SWITCH	DSH1063
	CN 5001 20P CONNECTOR	VKN1424
	CN 5002 CONNECTOR	B12B-EH
	0 CANON SHIELD	DNF1789

RESISTORS

Mark	No. Description	Part No.
	R 5022,5035,5048,5053	RN1/16SE4700D
	R 5023-5030	RN1/16SE1301D
	R 5031-5034,5038,5041	RN1/16SE8201D
	R 5036,5037,5039,5040	RN1/16SE1101D
	R 5042,5043,5045,5046	RN1/16SE1101D
	R 5044,5047,5575-5582	RN1/16SE8201D
	R 5054-5057,5060-5063	RN1/16SE2201D
	R 5058,5251,5252	RN1/16SE4301D
	R 5059,5077,5079,5085	RN1/16SE4700D
	R 5064-5067	RN1/16SE4702D
	R 5068-5075	RN1/16SE2001D
	R 5076,5078,5261,5516	RN1/16SE4701D
	R 5084,5086,5087	RN1/16SE6800D
	R 5088,5094,5095	RN1/16SE4700D
	R 5089-5093	RN1/16SE6800D
	R 5096,5098,5100,5102	RN1/16SE2701D
	R 5097,5099,5101,5103	RN1/16SE5102D
	R 5105,5107,5109,5111	RN1/16SE2200D
	R 5112-5115	RN1/16SC68R0D
	R 5116-5119	RN1/16SE2200D
	R 5120-5127	RD1/4MUF330J
	R 5128-5131	RD1/2VM220J
	R 5132-5134,5139	RN1/16SE3901D
	R 5135,5138,5140,5143	RN1/16SE1001D
	R 5136,5137,5141,5142	RN1/16SE1501D
	R 5144-5147,5185,5186	RN1/16SE3301D
	R 5208,5227	RS1/10SR5101D
	R 5209,5211,5228,5233	RS1/10SR4702D
	R 5210,5230,5415,5416	RS1/10SR4701D
	R 5212,5234,5425,5427	RS1/10SR4301D
	R 5213-5216	RN1/16SE1202D
	R 5217-5220	RN1/16SE1502D
	R 5223,5231,5232,5245	RD1/2VM331J
	R 5224,5225,5235,5236	RN1/16SE1002D
	R 5411,5412	RN1/16SE3602D
	R 5417,5418,5423,5424	RS1/10SR4702D
	R 5421,5422	RS1/10SR4701D
	R 5428,5429	RD1/2VM821J
	R 5508,5509	RN1/16SE5601D
	R 5510,5511,5514,5515	RN1/16SE6202D
	R 5512,5513	RN1/16SE5101D
	R 5517	RN1/16SE4701D
	R 5518-5521,5526-5529	RS1/10SR4301D
	R 5522-5525,5532-5535	RN1/16SE2202D
	R 5530,5531,5536,5537	RN1/16SE5600D
	R 5538-5541	RS1/10SR5601D
	R 5546,5548,5550,5552	RN1/16SE1200D
	R 5567-5574	RN1/16SE1501D
	R 5596,5597	RS1/10SR2202D
	R 5599-5602	RS1/10SR3303D
	R 5627,5628	RN1/16SE3301D
	Other Resistors	RS1/10SR###J

CAPACITORS

Mark	No. Description	Part No.
	C 5001-5004,5043	CKSRYB104K50
	C 5005,5006,5025,5026	CEHAZL101M10
	C 5007-5010,5012,5013	CKSRYB104K25
	C 5015,5016,5019-5022	CKSRYB104K25
	C 5018,5201,5401,5443	CKSRYB103K50
	C 5023,5024	CEHAZL220M50
	C 5027-5030	CCSQCH562J50
	C 5031-5034,5039-5042	CCSRCH181J50
	C 5035-5038	CKSRYB272K50
	C 5044,5048,5057,5084	CEHAZL331M25
	C 5045-5047,5058,5083	CKSRYB104K50
	C 5049,5051,5053,5055	CKSRYB473K50
	C 5050,5052,5054,5056	DCH1323
	C 5059-5062	CKSRYB473K50
	C 5063-5070	CKSRYB334K25
	C 5072,5074,5076,5078	CCSRCH120J50
	C 5079-5082	CCSRCH471J50
	C 5089	CEANP101M16
	C 5090,5092,5104,5105	CEAT470M25

Mark	No. Description	Part No.
	C 5091,5093,5516,5518	CEHAT101M25
	C 5094-5097,5236,5237(4700 p)	DCE1016
	C 5098,5099,5106,5107	CKSRYB104K50
	C 5100-5103	CCSRCH122J50
	C 5110,5111,5220-5222	CEANP100M35
	C 5190,5203,5204	CKSRYB104K25
	C 5191	CKSRYB103K25
	C 5192,5193,5209,5210	CCSRCH101J50
	C 5194	CEHAZL100M50
	C 5202,5205,5241-5244	CEAT100M50
	C 5207,5227,5415,5416	CCSQCH472J50
	C 5208,5228,5417,5418	CCSRCH152J50
	C 5211,5231,5421,5426	CKSRYB334K10
	C 5212-5215,5223,5225	CKSRYB104K25
	C 5216,5217,5404,5405	CCSRCH101J50
	C 5218,5234,5427,5429	CCSRCH560J50
	C 5219,5235	CKSRYB102K50
	C 5224,5226	CCSRCH151J50
	C 5229,5230,5431,5432	CKSRYB473K25
	C 5232,5233,5238,5437	CEANP100M35
	C 5239,5240,5441,5442 (4700 p)	DCE1016
	C 5402,5407,5411,5412	CEAT100M50
	C 5403,5406,5419,5420	CKSRYB104K25
	C 5408,5409	CCSRCH102J50
	C 5422-5424,5430,5433	CEAT100M50
	C 5425,5428,5435,5436	CKSRYB104K25
	C 5434,5439,5502,5505	CEAT100M50
	C 5438	CEANP100M35
	C 5440,5503,5504,5515	CKSRYB104K25
	C 5501	CKSRYB103K50
	C 5507,5508,5541,5542	CEAT100M50
	C 5509,5510 (5600 p)	DCE1019
	C 5511,5512	CCSRCH182J50
	C 5513,5514	CCSRCH560J50
	C 5517,5523,5524,5531	CKSRYB104K25
	C 5519-5522,5525-5528	CCSRCH101J50
	C 5529,5530,5533,5534	CEANP470M25
	C 5532,5547-5556	CKSRYB104K25
	C 5535-5538 (4700 p)	DCE1016
	C 5543-5546	CKSRYB474K10

N PNLE ASSY

SEMICONDUCTORS

No. Description	Part No.
IC 7501	DYW1788
IC 7503	TC74HC4052AF
Q 7506-7512,7514-7518	2SC4154
Q 7519,7521	RT1N431M
Q 7520,7522	2SB1188
Q 7523,7524	2SC4154
D 7501-7510,7512,7513	1SS355
D 7515,7517,7519,7527	SLI-343YYW(TUV)
D 7520-7522,7530-7532	SLI-343URCW(RST)
D 7526	SLR-343VC(NPQ)
D 7529,7571	SLI-343YYW(TUV)
D 7533,7534,7538,7541	1SS355
D 7542,7545-7547	1SS355
D 7553-7570,7572-7577	1SS355

MISCELLANEOUS

Mark	No. Description	Part No.
	L 7501 CHIP COIL	LCTAW330J2520
	VR 7501,7502 POTENTIOMETER	DCS1106
	VR 7503,7504 VARIABLE RESISTOR	DCS1100
	VR 7505 ROTARY VR	DCS1086
	VR 7506-7509 VARIABLE RESISTOR	DCS1100
	VR 7543 VARIABLE RESISTOR	DCS1100
	S 7501 SLIDE SWITCH	DSH1066
	S 7502,7505,7506,7511 TACT SWITCH	DSG1079
	S 7509,7513 SLIDE SWITCH	DSH1058
	S 7512,7515-7518 TACT SWITCH	DSG1079
	S 7519,7520 LEVER SWITCH	DSK1026
	X 7501 CERAMIC RESONATOR	DSS1180
	CN 7501,7502,7509 32P CONNECTOR	VKN1263
	CN 7503 19P CONNECTOR	VKN1250
	CN 7506 PLUG(4P)	KM200NA4
	CN 7507 PLUG(4P)	KM200NA4R
	CN 7508 L-PLUG(3P)	KM200NA3L

RESISTORS

No. Description	Part No.
All Resistors	RS1/10SR###J

CAPACITORS

No. Description	Part No.
C 7501,7504,7506-7509	CKSRYB104K25
C 7502,7519,7522	CEJQ101M10
C 7503	CKSRYB103K50
C 7505	CKSRYB105K10
C 7510-7515,7525-7528	CKSRYB471K50
C 7518,7521,7523,7524	CKSRYB104K25
C 7529,7530,7535-7542	CKSRYB104K25
C 7531-7534	CKSRYB471K50
C 7543	CEAT471M6R3
C 7544,7545	CKSRYB104K25

O CFD1 ASSY

MISCELLANEOUS

No. Description	Part No.
VR 8011 VARIABLE RESISTOR	DCV1020
CN 8011 L-PLUG(4P)	KM200NA4L

P CFD2 ASSY

MISCELLANEOUS

No. Description	Part No.
VR 8021 VARIABLE RESISTOR	DCV1020
CN 8021 PLUG(4P)	KM200NA4LR

Q CRFD ASSY

MISCELLANEOUS

No. Description	Part No.
VR 8001 VARIABLE RESISTOR	DCV1006
CN 8001 L-PLUG(3P)	KM200NA3L

R PNCE ASSY

SEMICONDUCTORS

No. Description	Part No.
IC 7000,7001	TC74HC4052AF
IC 7002	NJM2903M
Q 7007-7016,7032-7034	2SC4154
Q 7017,7019,7021,7023	RT1N431M
Q 7018,7020,7022,7024	2SB1188
Q 7025,7027,7035	RT1N431M
Q 7026,7028,7036	2SB1188
Q 7029	RT1P431M

Mark	No. Description	Part No.
	D 7008,7009,7025,7026	SLR-343VC(NPQ)
	D 7010-7013,7027-7030	SLI-343YYW(TUV)
	D 7014-7022,7031-7039	SLR-343MC(NPQ)
	D 7023,7024,7040,7041	SLI-343URCW(RST)
	D 7042,7043,7059,7060	SLR-343VC(NPQ)
	D 7044-7047,7061-7064	SLI-343YYW(TUV)
	D 7048-7056,7065-7073	SLR-343MC(NPQ)
	D 7057,7058,7074,7075	SLI-343URCW(RST)
	D 7076,7077,7091,7092	SLR-343VC(NPQ)
	D 7078-7081,7093-7096	SLI-343YYW(TUV)
	D 7082-7090,7097-7105	SLR-343MC(NPQ)
	D 7106-7109,7111-7113	1SS355
	D 7115,7116,7119,7120	1SS355
	D 7122-7124,7129-7133	1SS355
	D 7142-7152	SLI-343YYW(TUV)
	D 7153,7170-7176	SLI-343URCW(RST)
	D 7154	SLR343EC4T(LMN)
	D 7155-7169	1SS355

MISCELLANEOUS

	VR 7000-7011 VARIABLE RESISTOR	DCS1100
	VR 7012 ROTARY VR	DCS1086
	VR 7013 VARIABLE RESISTOR	DCS1100
	S 7000 12MM GS ENCODER	DSX1064
	S 7002-7005,7007-7009 TACT SWITCH	DSG1079
	S 7010,7013,7019 LEVER SWITCH	DSK1026
	S 7012,7016,7018 TACT SWITCH	DSG1079
	S 7021-7039 TACT SWITCH	DSG1079
	CN 7000 25P CONNECTOR	VKN1256
	CN 7001,7002 32P CONNECTOR	VKN1263

RESISTORS

	All Resistors	RS1/10SR###J

CAPACITORS

	C 7000	CEAT471M6R3
	C 7001	CEJQ101M10
	C 7002,7003,7007-7012	CKSRYB104K25
	C 7004,7005	CKSRYB103K50
	C 7013-7018,7020,7021	CKSRYB471K50
	C 7019,7022,7024,7029	CKSRYB104K25
	C 7023,7025-7028	CKSRYB471K50
	C 7030-7032	CKSRYB471K50
	C 7033-7048	CKSRYB104K25

S PNRI ASSY

SEMICONDUCTORS

	Q 7800-7803	2SC4154
	D 7800,7801,7812-7826	1SS355
	D 7802,7804,7805,7807	SLI-343YYW(TUV)
	D 7808,7810	SLI-343YYW(TUV)
	D 7811	SLR343WBD2PT(Z1)
	D 7827	SLR-343VC(NPQ)
	D 7828	1SS355

MISCELLANEOUS

Mark	No. Description	Part No.
	VR 7800 ROTARY VR	DCS1086
	VR 7801,7803 POTENTIOMETER	DCS1106
	VR 7802 VARIABLE RESISTOR	DCS1100
	S 7800-7802 SLIDE SWITCH	DSH1058
	S 7803,7804,7807-7809 TACT SWITCH	DSG1079
	S 7805,7806,7810 SLIDE SWITCH	DSH1066
	CN 7801 25P CONNECTOR	VKN1256
	CN 7802 PLUG(4P)	KM200NA4
	CN 7803 PLUG(4P)	KM200NA4R

RESISTORS

	All Resistors	RS1/10SR###J

CAPACITORS

	C 7800,7803	CEJQ101M10
	C 7801,7802,7804-7809	CKSRYB104K25

T CFD3 ASSY

MISCELLANEOUS

	VR 8031 VARIABLE RESISTOR	DCV1020
	CN 8031 L-PLUG(4P)	KM200NA4L

U CFD4 ASSY

MISCELLANEOUS

	VR 8041 VARIABLE RESISTOR	DCV1020
	CN 8041 PLUG(4P)	KM200NA4LR

V TFTB ASSY

SEMICONDUCTORS

⚠	IC 2601	TK61222CQ6
	Q 2601	RSQ025P03
	D 2601	RB160M-60

MISCELLANEOUS

	L 2401 INDUCTOR	CTF1473
	L 2601 INDUCTOR	CTF1545
	L 2603 CHOKE COIL	CTH1435
	KN 2401-2404 WRAPPING TERMINAL	VNF1084
	CN 2401 26P CONNECTOR	VKN1430
	CN 2402 16P CONNECTOR	VKN1420
	CN 2403 CONNECTOR(9P)	DKN1624
	CN 2404 CONNECTOR	CKS5660
	CN 2601 CONNECTOR	CKS5561

RESISTORS

	R 2609	RS1/10SR6202D
	R 2613	RS1/10SR1004D
	R 2614	RS1/10SR8202D
	Other Resistors	RS1/10SR###J

CAPACITORS

	C 2401,2402	CEVW101M16
	C 2403,2404,2406,2412	CKSRYB104K25
	C 2411 (10 u/10 V)	DCH1201
	C 2601,2603,2605,2606 (10 u/35 V)	CCG1236
	C 2602,2609	CKSRYB104K25
	C 2604,2607,2608	CKSRYB105K16
	C 2610	CKSRYB474K10
	C 2611,2612 (10 u/35 V)	CCG1236

W TPRI ASSY

SEMICONDUCTORS

	Q 8100,8101	2SC4154
	D 8108,8112,8118	1SS355
	D 8117	SLR343WBD2PT(Z1)

Mark	No.	Description	Part No.
	D 8123,8124		SLI-343URCW(RST)
	D 8125,8126		SLR343BC4T(JKLM)
	D 8129,8130		SML-012WT(UVWXY)

MISCELLANEOUS

	S 8106,8110-8113	TACT SWITCH	DSG1079
	CN 8100	12P CONNECTOR	VKN1272

RESISTORS

		All Resistors	RS1/10SR###J

X TPLE ASSY

SEMICONDUCTORS

	Q 8070		2SA1576A
	D 8071,8072		SLI-343YYW(TUV)
	D 8074,8075		1SS355
	D 8076		SLR-343VC(NPQ)

MISCELLANEOUS

	S 8070,8072,8074	TACT SWITCH	DSG1079
	CN 8070	19P CONNECTOR	VKN1279
	CN 8071	12P CONNECTOR	VKN1272

RESISTORS

		All Resistors	RS1/10SR###J

Y POWER SUPPLY ASSY

There is no service parts.

Z ACSW ASSY

MISCELLANEOUS

⚠	S 1	SWITCH	DSA1036
⚠	CN 1	CONNECTOR 2P	2-178496-4
	0	MASK	DEC3212
⚠	0	CONNECTOR ASSY	DKP3799

CAPACITORS

⚠	C 1		ACG7030